security*products*

BEST PRICE SECURITY-KATALOG

2015

LUPUS ELECTRONICS

SECURE YOUR LIFE.

The good feeling to deal with the right partner:

LUPUS-ELECTRONICS SECURITY PRODUCTS

The LUPUS-Electronics GmbH with its registered seat in Landau in the Palatinate/Germany is a manufacturer of state-of-the-art safety equipment in the areas of CCTV and alarm devices. LUPUS-Electronics stands for high-quality and durable brand-name products together with an attractive pricing structure.

Our lean operating structures allow us to offer these high quality standards at permanently favorable prices and with very short delivery times.

As a medium-sized organization we are independent of major parent companies and are thus able to react to technical novelties and changed marked needs quickly and in a service-oriented way.

All our safety items run through a thorough test program and it is a matter of course for us to verify that our products comply with the laws of Germany and the European Union (e.g. transmission frequency or RoHs conformity). All our products have the permissions and certificates required by the legislative authorities and the EU.

Hence the three pillars of our company philosophy are:

SERVICE   QUALITY   SPEED

The next pages will give you a detailed presentation of our products and services. We would like to advise you in more detail and in person at our office, by telephone, or by e-mail.

Your LUPUS-Electronics team

1. Preface

All contracts concluded with us as well as all shipments and other services are subject exclusively to the following general terms and conditions. Any differing provisions of the contracting party shall be expressly exluded. Subsidiary agreements require our confirmation in writing.

2. Prices

All prices and amounts are quoted in EURO incl. VAT. All shipping costs shall be paid by the customer. Any custom duties incurred for deliveries to countries outside Germany have to be paid by the customer.

3. Offers and Conclusion of Contract

Our product descriptions are only approximate and non-binding. Small technical and physical divergences as well as technical modifications opposite our images or descriptions and details in brochures, catalogues and other written documentation as well as changes in construction, model, material, color, form and/or weight in the course of technical progress are reserved and do not constitute grounds for any claims against us.Contracts will be effective only and exclusively by means of our written confirmation (order confirmation).

4. Delivery and Shipment

Delivery within Germany is made against a shipping fee of EUR 6,70 per shipment. If the order value exceeds EUR 400.00 per shipment, the delivery within Germany is made free of charge. For deliveries to other countries, other shipping fees may apply which can be reviewed through clicking on the button „Delivery".

The shipment and the stated delivery dates takes place under the reservation that we are supplied correctly, in time and completely with regard to the ordered goods and that we are not responsible for the unavailability of the ordered goods. Compensation on grounds of delayed or incomplete shipment is excluded, provided that the deficiencies in question are not deliberate or due to gross negligence.

Lupus-Electronics GmbH does not take any responsibility for delays in delivery and performance due to force majeure circumstances and due to events that substantially impede our delivery or make delivery impossible including in particular strikes, lockouts, official orders, etc., and inclusive such events affecting our suppliers or sub-suppliers including dates and deadlines that have been agreed on definitely. In such cases, we reserve the right by means of notice in writing to the customer to postpone delivery during the time of inability to perform plus an appropriate time for the resumption of its business or to rescind the agreement in whole or in part with regard to those parts of the agreement which are still pending, provided that the delay in delivery and performance is not only short term.

Note about the return of packaging: Packaging that does not carry the mark of a regionwide disposal system (such as „Grüner Punkt" of Duales System Deutschland AG) can be returned by private customers only to the following address: LUPUS-Electronics GmbH, Lise-Meitner-Straße 20, 76829 Landau, Germany. We will then take care of recycling or disposal of the packaging according to regulations of the packaging ordinance.

5. Terms of Payment

The payment of goods is made either by bank transfer prior to shipment (advance payment), cash on delivery or via credit card (we accept MasterCard and Visa only)

a) Advance payments shall be made by means of bank transfer. If an order is placed under conditions of advance payment, the customer receives an automatically generated email containing our banking details. The customer shall add his/her first and last name as reference text to the bank transfer. Shipping will take place as soon as our account has been credited. The duration of the bank transfer depends on the weekday and working speed of the involved banks and can take 1 to 5 days.

Banking Details

For domestic bank transfers (Germany only):

Bank Name: Sparkasse Suedliche Weinstrasse
Bank Code: 548 500 10
Account-No: 17 00 11 46 12
Beneficiary: Lupus-Electronics GmbH

For international bank transfers:

Bank Name: Sparkasse Suedliche Weinstrasse
IBAN: DE48 5485 0010 1700 1146 12
SWIFT-BIC: LANS DE 55
Benificiary: Lupus-Electronics GmbH

b) Payments by cash on delivery shall be made in cash to the parcel service. (The payment shall be always prepared as exact amount, since parcel services are often not able to give change in return). Additional collection fees of EUR 7.00 are charged if payment via cash on delivery is chosen by the customer.Payments by credit card are only available via online order. Credit card data of the customer is always kept secret and submitted with 128bit encryption to the respective credit card company. Additionally a MD5-Hash Code is used to compare credit card information to safeguard the data against misuse. We accept credit cards from Visa® and MasterCard® only.

6. Reservation of Title

We reserve the right of ownership in the sales item until receipt of all payments from the existing current account relationship (business relationship) with the customer; the reservation relates to the acknowledged balance. In the event that the customer acts in a way contrary to the contract, particularly in the event of default in payment, we shall be entitled to take back the sales item.

7. Warranty and Guarantee Terms, Liability

Warranties are granted in accordance with statutory requirements. For all defects that occur during a two year legal period of warranty the customer is entitled to supplementary performance (either removal of defects or replacement) as well as to mitigation and withdrawal if all legal stipulations are met.

The customer shall undertake to inspect the deliverables for obvious defects immediately upon delivery and shall notify us immediately in writing of such defects. The violation of this obligation by the customer shall be of no consequence to his warranty rights.

No liability shall be assumed for restricted use or damage incurred for the following reasons: unsuitable or improper use, faulty assembly, mount, installation or start-up by the customer or third parties, natural wear, unsuitable operating resources, replacement materials, chemical, electrochemical or electrical influences, unless they are attributable to a fault on the part of the supplier. Further, no liability shall be assumed for faulty or careless handling and/or non-compliance with our user manuals. This applies especially for operation of the objects with wrong current or voltage as well as connection to unsuitable power sources. The same applies for damages and defects incurred for reasons of fire, lightning, explosion or net dependent overvoltages, humidity of any origin, wrong or lacking program-software and/or processing data, except the customer proves, that these conditions are not causal for the criticized defects.

No warranty is offered, if the warranty seal on the wireless cameras is torn (e.g. through opening of the camera casing).

Mounting and installation of electrical components into motor vehicles must be made by a professional and qualified car service center. If this is executed by the buyer, any warranty or guarantee claims against Lupus-Electronics GmbH shall be forfeited.

Lupus-Electronics GmbH shall only be liable for damages based on intent or gross negligence. It is not responsible for indirect damages and in particular not for loss of profit, unless such damages have been caused deliberately by the employees of Lupus-Electronics GmbH or through the premeditated acts and gross negligence of the official representatives or management of Lupus-Electronics GmbH.

Except in case of intent and/ or gross negligence Lupus-Electronics GmbH liability shall be limited to the foreseeable damage normally resulting from such negligence upon conclusion of an agreement.

8. Right of Revocation of Private Customers

a) Right of Revocation

The private customer may revoke the declaration to conclude a sales contract within a period of 4 weeks in textual form (e.g. by letter, e-mail, facsimile) without stating a reason or by returning the goods. The period commences upon receipt of this legal instruction at the earliest. The deadline can be met by sending the revocation or returning the ordered items. The revocation is to be sent to:

Lupus-Electronics GmbH, Lise-Meitner-Str. 20, 76829 Landau

b) Consequendes of Revocation

In the event of valid revocation, the received performances are to be returned. If the customer cannot return the received performance in full or in part or only in a worse condition, the customer may be liable for compensation to that extent. Where items have been provided, this shall not apply in so far as the deterioration of the goods is due solely to their inspection - as would have been possible for the customer if the transaction had taken place in a shop. Otherwise, the customer can avoid the duty to compensate by not using the goods as his/her property and refraining from any actions that impair their value. Items are to be returned if they can be sent by parcel post. The customer shall bear the costs for returning the goods if the received items are the items ordered and if the price of the items to be shipped back does not exceed EUR 40.00. Otherwise, the customer shall bear no costs for the return. To get reimbursed for the shipment costs, the customer shall include his/her banking details as well as our RMA-Form which has to be completed accordingly. The customer must meet obligations on the reimbursement of payments within 30 days of request for payment.

9. Applicable Law/ Place of Jurisdiction

As far as legally permissible, the mutually agreed place of jurisdiction is our headquarters in 76829 Landau, Germany. The law of the Federal Republic of Germany under exclusion of the UN sales law applies exclusively.

10. Data Protection

In accordance with the Data Protection Act, we shall be entitled to store and process data on the customer, which was received in connection with the business relations, if the data are necessary for the business relations. It shall make no difference whether these data are received from the customer in person or from third parties. Apart from statutory or official notification obligations, these data shall only be passed on to third parties with the permission of the customer. Furthermore the customer agrees to receive email for advertising purposes which will be ceased, as soon as the reception of these emails is no longer desired. In this case, the customer may send an email to inform us accordingly.

11. Licenses

Insofar as software belongs to the scope of delivery, this is ceded to the buyer solely for his own use, i.e., he may neither copy it nor allow others to use it. A multiple or transferable right of use requires a special agreement in written form. Otherwise, the rights of the buyer are according to licensing terms of the relevant manufacturer or licensor to whose observance and adherence the buyer hereby agrees.

12. Final Clause

Should one of the aforementioned clauses prove to be completely or partly void, it shall have no effect on the validity of the others.

LUPUS ELECTRONICS
SECURE YOUR LIFE.

SERVICE, QUALITY, SPEED: The three pillars of our company philosophy are the building blocks of our customer service. Please note the following principles concerning the ordering process, payment modalities, return and warranty items:

END USERS

- » Order via online shop, by fax, e-mail, or telephone
- » Payment by cash in advance, cash on delivery, or credit card
- » Delivery is made within three workdays (Germany). You will be notified about the shipment in an automatically generated e-mail, which contains a link to track the shipment.
- » We bear the shipping costs (within Germany) for orders of more than 400.00 € and in case of, payment by cash in advance or credit card.
- » Please read the Order section of the online shop for the exact shipping costs.
- » 4 weeks money-back guarantee:
  You bought an item and then changed your mind? Or you want to test and try a product on location first? No problem – all you need to do is contact us within 28 days and we will take care of the rest.
- » Please pay sufficient postage if you return an item and enclose your bank details. We will promptly transfer the postage fees to your account. Please do not send parcels freight forward.
- » Our technical hotline will advice and support you in the installation and configuration of all products on workdays from 8.30 a.m. to 5 p.m.

MAJOR CUSTOMERS AND RESELLERS

- » If you are a major customer or reseller, you will benefit from our Lupus-Electronics specialized partner program from your first order.
- » Your favorable purchase prices result from the order volume and frequency.
- » Please open a customer account on our website to be able to benefit from the favorable manufacturing prices. Then send us a copy of your trade license and we will activate your customer account as a dealer account, to which you can log in by means of your e-mail address and password. In the internal key account section, you can purchase any product with your current discount status.
- » The first order must be made by cash in advance or cash on delivery. The following orders will then be delivered on account payable in full within 14 days (on level 1 gold customer: 28 days, 2 percent discount).
- » All the prices in the Price list for resellers are given in Euro plus VAT and shipping costs.

LEGEND

(MPEG4) **MPEG compression**	(H.264) **H.264 compression**
(IR Shift) **Infrared shift**	(IR) **Integrated infrared lighting**
(IP) **Network camera**	**Vandal-proof**
(Zoom) **Zoom**	(€) **Top cost/performance ratio**
Watertight	(PTZ) **Controllable pan-tilt zoom**
Radio transmission	**Live access + alarm by mobile**
Battery mode	(Mini) **Mini camera**
BGV certificate (UVV certification)	(@) **Internet access + alarm by e-mail**
	Day/night function

SMART HOME ALARM SYSTEMS - ALL-ROUND PROTECTION AND HOME CONTROL ALL-IN-ONE

IP-based alarm systems provide you with flexible protection in the surveillance of your home and property. The systems are connected to a router via a network cable and can be controlled via PC, tablet computer, or smartphone. No cables must be laid for detectors and sensors, as they are battery powered and connected to the main unit via a wireless system. Thus, they can be installed at any place you want. As soon as the status of a detector or sensor changes, the alarm is triggered wireless. The main unit then sends the alarm signal directly to you or an emergency call center by e-mail, Text message, GPRS, or TCP-IP.

The major advantage of IP-based systems is that you can access them from anywhere and they provide likewise safety and convenience. You are on the road and want to check the alarm status? Or you want to arm the system, because you forgot to do it? Or double-check that doors and windows are closed? You can do that without any problems while you're away by just using your smartphone or your tablet computer.

The LUPUSEC smart home alarm system provides you with reliable anti-burglary protection and is very easy to operate. It can be configured and controlled easily by means of a computer or even a tablet computer or smartphone. Various alarm sensors are available for LUPUSEC to ensure reliable protection against burglary and vandalism. Besides the customary door and window sensors, motion sensors and glass breakage sensors as well as temperature sensors are available. The IP alarm system furthermore provides protection against damage caused by fire, gas, or water. Gas and water sensors as well as smoke and fire detectors can be connected to LUPUSEC to trigger the alarm, if a fire breaks out, gas leaks, or damage by water is imminent at home.

All in ONE.

CONNECTED HOME
VIDEO-ÜBERWACHUNG 6/2014
LUPUS ELECTRONICS · XT1
KAUF-TIPP

LUPUSEC - XT1 STARTER KIT

Item no.: 12017

» XT1 main unit, XT1 keypad, 2 window/door contacts, 1 motion sensor
» Quickly configurable via browser, iPad, or tablet PC
» Three worlds COMBINED: anti-burglary protection, CCTV, and home automation
» Alert notifications by Text message, e-mail, or TCP-IP
» Centralized interface for your home or while you're away: Easily and quickly check the status of windows and doors or access the pictures of your network cameras or recorders!
» Access to all main functions via iPhone, iPad, Android, and browser
» Connection to an alarm center via contact ID
» Extremely quick to install!
» Faster to configure, easier to operate, worldwide access. The LUPUSEC XT1 IP alarm system

▶ **LUPUSEC XT1 MAIN PANEL**
To connect up to 20 wireless detectors

▶ **LUPUSEC XT2 MAIN PANEL**
To connect up to 160 wireless detectors

▶ **LUPUSEC XT KEYPAD**
To arm and disarm the alarm system

▶ **WINDOW / DOOR CONTACT**
Reliably reports the status of doors and windows

▶ **MOTION DETECTOR**
Reliably detects moving objects of 27 kg and more

▶ **SMOKE DETECTOR**
Alerts the main panel directly in case of smoke formation

▶ **INDOOR AND OUTDOOR SIREN**
Wireless sirens give alarm with 104 dB volume

▶ **WATER SENSOR**
Reliably protects against damage caused by water

▶ **MEDICAL EMERGENCY CONTROLLER**
Optimal to assist persons in need of care

▶ **PANIC BUTTON**
Triggers the alarm immediately if pressed

▶ **HEAT DETECTOR**
Registers strong heat caused by e.g. fire

▶ **WIRELESS RELAY**
Closes a contact under definable conditions

▶ **RELAY**
Closes a contact under definable conditions

▶ **RELAY WITH POWER METER**
Closes a contact under definable conditions

▶ **TEMPERATURE SENSOR**
Sends the local temperature to the main panel every 2 minutes

▶ **CO DETECTOR**
Safely detects gas leaks and notifies the main panel

▶ **REMOTE POWER SOCKET**
To operate external devices via the software

▶ **REMOTE POWER SOCKET WITH METER**
To operate external devices via the software

▶ **GLASS BREAKAGE DETECTOR**
Reliably detects the sound of breaking glass

▶ **REMOTE CONTROL**
The most important control functions for the pocket

▶ **RADIO REPEATER**
Increases the sensor range of the alarm system

▶ **PIR NETWORK CAMERA**
Saves 3 pictures in the main panel in case of alarm/movement

LUPUSEC APP
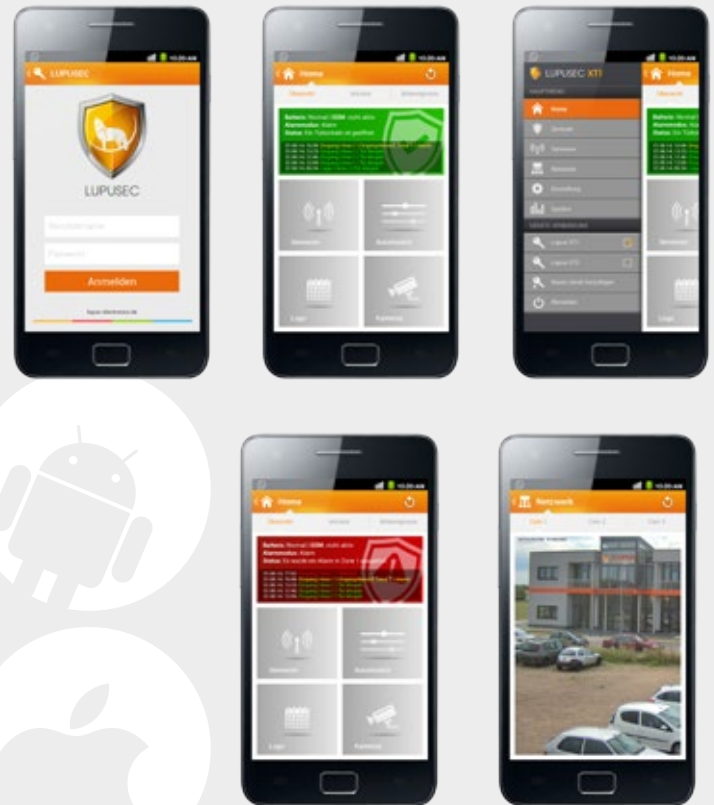
The free LUPUSEC App provides you with the option to access your LUPUSEC Smart home alarm system in its entirety by smartphone or tablet computer. Everything at one glance in a clearly arranged app.

Do you want to check the alarm status while you're away? Or arm or disarm the alarm system? Or simply double-check that windows and doors are closed? No problem, one look at your smartphone is enough and you can enjoy the day.

THE MOST IMPORTANT FUNCTIONS IN DETAIL:
» Arming, disarming, or partial arming
» Worldwide real-time access to any information and event
» Worldwide real-time access to any setting
» Live camera access to CCTV cameras and CCTV record-
  ers integrated in the system
» View pictures of events
» Integrated home automation devices such as e.g. wireless
  sockets can be activated and deactivated.

Please note that additional costs may arise if your LUPUSEC alarm system connects to the internet, depending on your mobile or internet service pro-vider. Please note furthermore that your LUPUSEC-XT1 main panel must be connected to the internet and configured accordingly to control it externally.

CONNECTED HOME
VIDEO-ÜBERWACHUNG 6/2014
LUPUS ELECTRONICS · XT1
KAUF-TIPP

LUPUSEC XT1 MAIN PANEL

Item no.: 12000

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LUPUS-Electronics presents the new LUPUSEC-XT1: the SIMPLE and SAFE IP smart home alarm system! Fast to install, simple to operate, and accessible from anywhere at any time – very simply by computer, tablet PC, or smartphone.

The LUPUSEC-XT1 is a real miracle of ease of operation and flexibility. The heart of this newly developed alarm system is the main panel with dimensions of only 180 x 155 x 43 mm, which is simply connected to its router with a network cable. You can access all functions and settings of your alarm system from everywhere by means of the new clearly arranged user interface of the LUPUSEC XT1 and your computer, tablet computer, or smartphone. You want to check the alarm status while you're away? Or arm or disarm the alarm system? Or simply double-check that the windows and doors are closed? No problem, one look at your smartphone is enough and you can enjoy the day.

A variety of alarm sensors is available for the LUPUSEC XT1 alarm system. By just a few clicks, you can connect door and window contacts, motion detectors, CCTV, glass breakage, smoke, and fire detectors, gas and water or temperature sensors to your system. The sensors are connected to the alarm system through an advanced wireless system and trigger the alarm in a reliable manner as soon as the status of a sensor changes. That means you don't have to lay electricity or signal cables. Simply connect the main panel to your router and install the battery-operated sensors in the desired places and connect them to the main unit. Alarms can be transmitted by e-mail, text message, or the worldwide emergency call center standard CONTACT ID. After you configured the respective services, you or the emergency call center will be notified in case of alarms.

As a matter of course, you can easily integrate our CCTV systems such as the IP cameras of the LUPUSNET series and the recorders of the LUPUSTEC LE 800 series into the user interface of the LUPUS alarm system. This way, you can promptly check the premises by means of CCTV after you were notified of an alarm. Simple, isn't it? And safe! Guaranteed!

TECHNICAL DATA

Dimensions	180 x 155 x 43mm
Weight	0.51 kg
Max. no. of sensors	20
Max. no. of devices	6 (wireless relays, repeaters)
Max. no. of PIR network cameras	6
Max. no. of analog / digital cameras	4 (e.g. LUPUSNET HD series or LUPUSTEC recorder)
Sabotage monitoring	Yes, break contact
Sabotage indicator of sensors in main panel	Yes
Status indicator	Yes
Battery indicator of sensors	Yes
UPnP support	Yes, automatically opens ports in router
Internal storage of pictures	Yes, saves 3 images from a PIR network camera per alarm
Send pictures by FTP / e-mail	Yes
Alarm notification options	Contact ID via TCP/IP, e-mail, or text message
Access via	Browser, iPhone app, iPad
Radio frequency	868,6625 MHz (dual way) and 2.4GHz (dual way)
Transmission power	max. 10 mW

Transmission range	Approx. 30 to 100 meters, can be increased with repeater
Modulation	FM
Mounting options	Wall, table
Power supply	1600 mAh Ni-mh rechargeable emergency power battery, 12V DC
Operating temperatures	-10 to +45°C
Max. humidity	to 90% (not condensing)
Certification	CE, FCC, RoHs
Functions	Arming, disarming, home mode, silent alarm, fire, medical alert, Check Panel Status, alarm signaling
Available additional components	Window/door contact, smoke detector, motion detector, water sensor, CO detector, outdoor siren, indoor siren, remote control, wireless relay, glass breakage sensor, heat detector, medical emergency alert, panic button, PIR network camera, wireless socket, repeater, temperature sensor, power consumption meters, keypad (more to follow)
Languages	German (pre-installed) / English
Indoor siren	Yes (but not available in emergency operation)
Remote access	via PC, MacOS, iOS (iPhone), Android (with Google Chrome browser)
Control centers/software, supporting the connection of the XT1	Alec Securityssysteme GmbH, INSOCAM's AM/Win, Securitas, Security-Nord GmbH & Co KG
Compliance with guidelines	EN 300220-1&2/EN 300328/EN 301489-1&3&17/EN 60950-1/EN 62311

SCOPE OF DELIVERY

	Wall mount
	Manual
	LUPUSEC XT1 main panel
	Screws and dowelsl
	Windows setup CD

DIRECT COMPARISON OF LUPUSEC XT1 AND XT2:

	XT1	XT2
Product icon		
Dimensions	180 x 155 x 43mm	180 x 155 x 43mm
Weight	0.51 kg	0.81 kg
GSM module	No	Yes (3G)
Max. no. of sensors	20	160 (2 areas with 80 sensors and 3 home modes each), 70 ZigBee sensors
Max. no. of devices	6 (wireless relays, repeaters)	6 (Fireless relays, repeatersr)
Max. no. of PIR network cameras	6	6
Max. no. of analog / digital cameras	4 (e.g. LUPUSNET HD series or LUPUSTEC recorder)	4 (e.g. LUPUSNET HD series or LUPUSTEC recorder)
Zugriff via	Browser, iPhone app, iPad	Browser, iPhone app, iPad, Android APP
Sendereichweite	Approx. 30 to 100 meters, can be increased with repeaters	Approx. 30 to 100 meters, can be increased with repeaters
Functions	Arming, disarming, home mode, silent alarm, fire, medical alert, Check Panel Status, alarm signaling	Arming, disarming, 2 areas, home mode 1+2+3, silent alarm, fire, medical alert, Check Panel Status, alarm signaling

Available additional components	Window/door contact, smoke detector, motion detector, water sensor, CO detector, outdoor siren, indoor siren, remote control, wireless relay, glass breakage sensor, heat detector, medical emergency alert, panic button, PIR network camera, wireless socket, repeater, temperature sensor, power consumption meters, keypad (more to follow)
Languages	German, French, English, Spanish, Italian
Indoor siren	Yes (but not available in emergency operation)
Remote access	via PC, MacOS, iOS (iPhone), Android
SIM card format	Mini SIM
Control centers/software, supporting the connection of the XT1	Alec Securityssysteme GmbH, Security-Nord GmbH & Co KG, INSOCAM's AM/Win
Compliance with guidelines	EN 300220-1&2/EN 300328/EN 301489-1&3&17/EN 60950-1/EN 62311

SCOPE OF DELIVERY

	Wall mount
	Manual
	LUPUSEC XT2 main panel
	Screws and dowels
	Windows setup CD

LUPUSEC XT2 MAIN PANEL

Item no.: 12025

@ 📱 ((•)) IP 🔲

LUPUSEC XT2 is the new Smart home alarm system by LUPUS-Electronics, one of the most modern systems for building security and smart home control. With its newly developed processor core, the new LUPUSEC XT2 manages up to 160 alarm detectors in two alarm circuits to be controlled separately. Each alarm circuit has additional separately controlled 4 zones and thus provides for maximum flexibility. This way, you can protect even large buildings against burglary, fire, gas, and water with a simple system in a quick and cost-efficient manner.

The LUPUSEC XT2 smart home alarm system is fast to install, simple to operate and accessible from anywhere at any time – very simply by computer, tablet computer, or smartphone via the new and clearly arranged user interface of the LUPUSEC XT2. You want to check the alarm status while you're away? Or arm or disarm individual alarm zones? Or simply double-check that windows and doors are closed? No problem, one look at your smartphone is enough and you can enjoy the day. A variety of alarm sensors is available for the LUPUSEC-XT2 alarm system. By just a few clicks, you can connect door and window contacts, motion detectors, CCTV, glass breakage, smoke, and fire detectors, gas and water or temperature sensors to your system. The sensors are connected to the alarm system through an advanced wireless system and trigger the alarm in a reliable manner as soon as the status of a sensor changes. That means you don't have to lay electricity or signal cables.

TECHNICAL DATA

Dimensions	180 x 155 x 43mm
Weight	0.81 kg
Max. no. of sensors	160 (2 areas with 80 sensors and 3 home modes each), 70 ZigBee sensors
Max. no. of devices	6 (wireless relays, repeaters)
Max. no. of PIR network cameras	6
Max. no. of analog / digital cameras	4 (e.g. LUPUSNET HD series or LUPUSTEC recorder)
Sabotage monitoring	Yes, break contact
Sabotage indicator of sensors in main panel	Yes
Status indicator	Yes
Battery indicator of sensors	Yes
UPnP support	Yes, automatically opens ports in router
Internal storage of pictures	Yes, saves 3 images from a PIR network camera per alarm
Send pictures by FTP / e-mail	Yes
Alarm notification options	Contact ID via GPRS, TCP/IP, e-mail, telephone, or text message
Access via	Browser, iPhone app, iPad, Android app
Radio frequency	868,6625 MHz (dual way) and 2.4GHz (dual way)
Transmission power	max. 10 mW
Transmission range	Approx. 30 to 100 meters, can be increased with repeater
Modulation	FM
Mounting options	Wall, table
Power supply	1600 mAh Ni-mh rechargeable emergency power battery, 12V DC
Operating temperatures	-10 to +45°C
Max. humidity	To 90% (not condensing)
Certification	CE, FCC, RoHs
Functions	Arming, disarming, 2 areas, home mode 1+2+3, silent alarm, fire, medical alert, Check Panel Status, alarm signaling

COMPLETE CONTROL - ANYWHERE AT ANY TIME:

The web interface of the LUPUSEC XT1/XT2 provides you with the important information on your alarm system's status. You can see at one glance, whether e.g. a window is open, an alarm was triggered, a battery runs low, or a current picture of your LUPUSNET HD camera or your LUPUSTEC recorder (not included in scope of delivery).

VERY SIMPLE INSTALLATION:
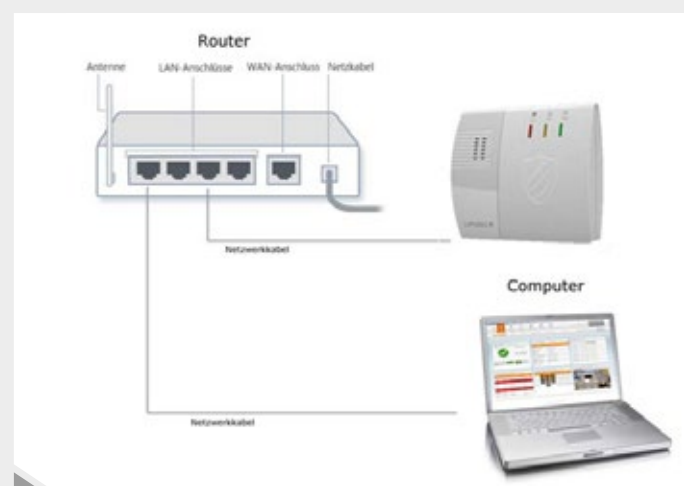
The LUPUSEC XT1/XT2 is simply connected via LAN to your router.

SMART HOME CONTROL

The LUPUSEC systems only become fully fledged smart home alarm systems because of various options to automate processes or control external devices in a fully automated way. This is done via accessories such as e.g. controllable sockets or relays and a flexible regulator, which the user himself can configure with a few clicks and movements. Among other options, you can program routines to switch off all standby devices when you leave the house. Or to turn on all the lights in case of an alarm. And it is of course possible to program the time-controlled irrigation of your garden or to simulate the presence of persons by means of time-based illumination rhythms and shutter movement. In addition, you can reduce your energy costs by automatically monitoring the temperature and controlling the heater parameterss. There are as many possibilities as there are ideas. Realize them with the innovative LUPUSEC smart home alarm systems.

Kameras Benutzer Temperatur Lichter Sicherheit

EXAMPLES:

» If the front door is opened, the lights in the entrance area are switched on automatically and the entertainment devices are energized again (standby mode).
» If the front door is locked or unlocked, the alarm system is automatically armed or disarmed.
» Enables the connection of external sensors (via our wireless sensor input) with dynamic actions
» Simulation of presence of persons (anti-burglary protection)
» Automatic heating and cooling of the object (temperature- and time-controlled)
» Time-controlled illumination
» Time-controlled irrigation
» Reduce energy costs by automated deactivation.
» Almost every electric device with a plug can be automated.

INTEGRATED VIDEO CENTER

LUPUSNET IP cameras and LUPUSTEC D1 recorders can be integrated with a few clicks into the LUPUSEC system. Thus, you are not only notified of alarms, but you are can investigate each alarm promptly and LIVE.
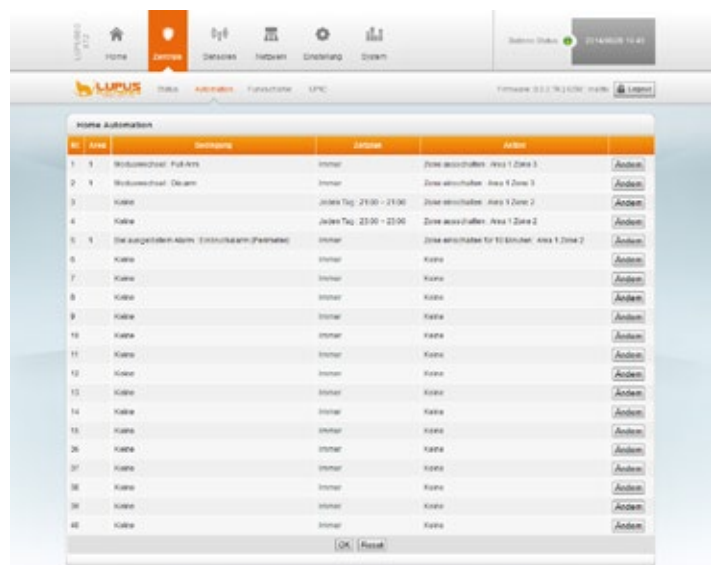
Configuration page to administrate the rules of home automation
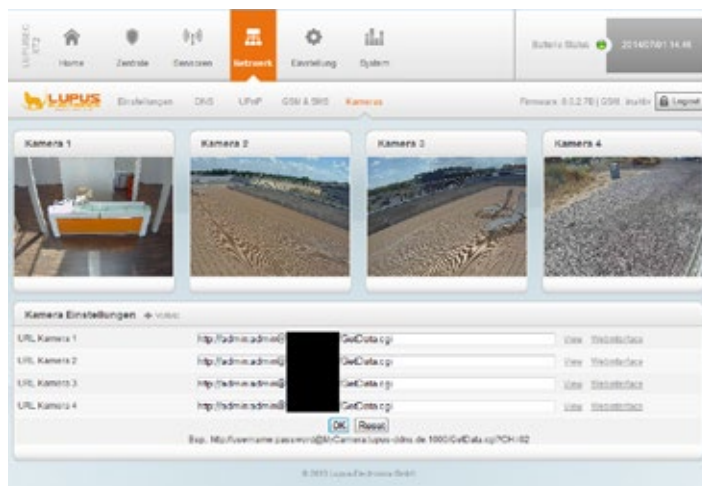
Configuration page to integrate cameras into the XT system interface (all customary manufacturers are supported)
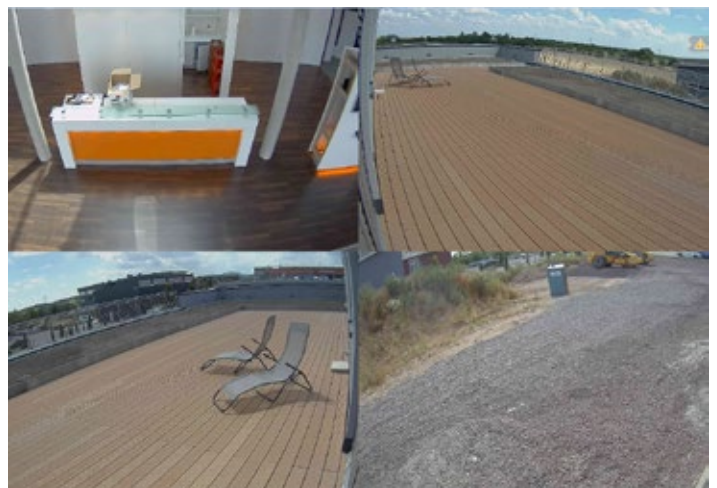
The main page of the camera view can be magnified to full screen upon request. The important alarm messages are still shown via OSD.

LUPUSEC KEYPAD

Item no.: 12001

The LUPUSEC keypad is used to control and in particular to arm or disarm the alarm system when you leave and enter the building. Like all other accessories, the keypad is battery-powered and wireless connected to the alarm system. You can therefore mount it to any wall. No signal transmission cables or power supply units are required. The keypad is easy to configure and quickly ready for operation.

FUNCTIONS:

Arming, disarming, home mode, silent alarm, fire, medical emergency alert, Check Panel Status, alarm signaling

SCOPE OF DELIVERY:

» Battery
» Manual

WINDOW / DOOR CONTACT

Item no.: 12002

The LUPUSTEC window/door contact is a central element of the alarm system and secures a window or a door. The contact consists of two elements. One of these elements is installed at a window or door, the other one at the frame. Thus, the sensor immediately detects that a door is opened or closed. Several window/door contacts can be integrated in a system. (A total of 20 sensors can be connected to the LUPUSEC XT1 - and up to 160 to the XT2.) Like all other accessories, the window/door contact is battery-powered and wireless connected to the alarm system. No signal transmission cables or power supply units are required. Simply install the two elements, connect them to the system, done.

SCOPE OF DELIVERY:

» Window/door contact (2 parts)
» Battery
» Screws and dowels
» Adhesive tape
» Manual

PIR MOTION DETECTOR

Item no.: 12003

The LUPUSEC PIR motion detector is configured and controlled via the LUPUSEC main panel. It alerts you in a reliable manner, if it detects movement on your premises. For this purpose, simply install the motion detector wherever you want to have motions detected.

SCOPE OF DELIVERY:

» Motion detector
» Battery
» 7 screws and dowels
» Corner mount
» Manual

PIR NETWORK CAMERA

Item no.: 12012

The LUPUSEC PIR network camera is a motion detector, the housing of which encloses a mini snapshot camera. If the RAS (Infrared Reflection Absorption Spectroscopy) sensor detects a moving person, a picture is made immediately. At the same time, the movement is reported to the main panel and forwarded from there to your mobile phone. Even in complete darkness, the camera shoots well recognizable pictures thanks to the integrated white flash. You are not only reliably informed about every movement, but you can also check at the same time, who or what has caused the movement.

SCOPE OF DELIVERY:

» PIR network camera
» 2x3.6V AA lithium battery
» Manual

LUPUSEC XT wireless detectors	XT1 keypad	Window / door contact	Motion detector	PIR network camera
Dimensions	115x80x20mm (HxWxD)	82x22x18mm (LxWxH)	80x75x122mm (LxWxH)	98x45x40 mm (HxWxD)
Weight	0.19 kg	0.60 kg	0.15 kg	0.15 kg
Type of sensor	-	Reading contact	PIR, detects objects as of 27 kg	Contact sensor
Detection method	4-digit PIN code	Magnetic field measurement	Thermal field measurement up to max. 12 m	Thermal field measurement up to max. 12 m
Sabotage monitoring	Yes, break contact	Yes, by axis adjustment	Yes, break contact	Yes, break contact
Sabotage indicator of sensor in main panel	Yes	Yes	Yes	Yes
Status indicator	Yes	Yes	Yes	Yes
Status monitoring by main panel	Yes	Yes	Yes	Yes
Status indicator in main panel	Yes	Yes	Yes	Yes
Battery indicator in main panel	Yes	Yes	Yes	Yes
Status monitoring of battery in main panel	Automatic	Automatic	Automatic	Automatic
Radio frequency	868,6625 MHz	868,6625 MHz	868,6625 MHz	2.4 GHz
Transmission power	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW
Transmission range	approx. 30 to 100 meters	approx. 30 to 100 meters	approx. 30 to 100 meters	approx. 30 to 100 meters
Modulation	FM	FM	FM	FM
Mounting options	Bolted	Bolted, cemented	Bolted, cemented	Bolted, cemented
Power supply	CR2450 3V 540mAH	3.6V 1/2 Lithium battery	3V Lithium battery	2x3.6V AA Lithium battery
Average battery life	3 years	2.6 years	3 years	3.3 years
Mounting type	Wall	Windows, doors or similar	Walls, in corners	Walls, in corners
Certification	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs

SMOKE DETECTOR

Item no.: *12004*

The LUPUSEC smoke detector is configured and controlled entirely via the LUPUSEC alarm system and alerts you reliably of smoke formation at any time.

SCOPE OF DELIVERY:

» Smoke detector (EN 14604 certified)
» Battery
» Screws and dowels
» Mounting plate
» Manual

PANIC BUTTON

Item no.: *12015*

The LUPUSEC Panic Button is intended to immediately trigger the alarm in case of a robbery. Due to its small dimensions, you can easily take it with you everywhere within the building. Pressing the button reliably triggers the set alarm, irrespective of the current mode of the system.

SCOPE OF DELIVERY:

» Medical emergency controller
» CR2032 3V 230 mAh lithium battery
» Manual

INDOOR SIREN

Item no.: *12005*

The wireless LUPUSEC indoor siren is the perfect additional accessory of the main panel, which is already equipped with an indoor siren. You can e.g. secure another sector or floor of the building with the indoor siren, where you usually cannot hear the main panel siren.

SCOPE OF DELIVERY:

» Wireless indoor siren 108 dB
» 4x1.5V D alkaline battery
» Screws and dowels
» Manual

GLASS BREAKAGE SENSOR

Item no.: *12011*

The glass breakage sensor of the LUPUSTEC alarm sensor detects and reports breaking glass in a reliable manner. The sensor is accordingly installed near glass panes and windows. The glass breakage sensor is battery-powered and is in permanent wireless contact to the alarm system.

SCOPE OF DELIVERY:

» Glass breakage sensor
» 1x3V DC, Li battery type CR2
» Screws and dowels
» Manual

WATER SENSOR

Item no.: *12007*

The LUPUSEC water sensor alerts you in a reliable manner of damage caused by water or floods. For this purpose, simply install the water sensor near the floor and configure it so that is contacts the floor. Each contact with water is reported immediately.

SCOPE OF DELIVERY:

» Water sensor
» 4xAAA alkaline battery
» Screws and dowels
» Manual

OUTDOOR SIREN

Item no.: *12006*

The wireless LUPUSEC outdoor siren should be part of every alarm system! It is eye-catching and can be seen and heard very far to protect your property in emergencies. You can of course activate and deactivate the siren from any place in the world via the app.

SCOPE OF DELIVERY:

» Wireless outdoor siren 108 dB
» 4x1.5V D alkaline battery
» Screws and dowels
» Manual

LUPUSEC XT wireless detectors	Smoke detector	Glass breakage sensor	Panic Button	Water sensor	Indoor siren
Dimensions	111x60x111mm (LxWxH)	108x80x43 mm(LxWxH)	approx. 34x60x15 mm (LxWxH)	approx. 110x80x40mm (LxWxH)	288x113x47mm (LxWxH)
Weight	0.29 kg	approx. 0.14 kg (incl. battery)	approx. 0.04 kg (incl. battery)	approx. 0,25 kg (incl. battery)	1.1 kg (incl. batteries)
Type of sensor	Photodiode	Mikrophone sensor	-	Contact sensor	-
Detection method	Optical	Acoustic	-	Resistance measurement	-
Sabotage monitoring	Yes, break contact	Yes	No	No	Yes, break contact
Sabotage indicator of sensor in main panel	Yes	Yes	No	No	Yes
Status indicator	Yes	No	No	No	Yes
Status monitoring by main panel	Yes	Yes	Yes	Yes	Yes
Status indicator in main panel	Yes	Yes	Yes	Yes	Yes
Battery indicator in main panel	Yes	Yes	Yes	Yes	Yes
Status monitoring of battery in main panel	Automatic	Automatic	Upon each transmission	Automatic	Automatic
Radio frequency	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz
Transmission power	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW
Transmission range	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters
Modulation	FM	FM	FM	FM	FM
Mounting options	Bolted, cemented	Bolted	-	Bolted	Bolted
Power supply	4xAAA Lithium battery	3V DC, Li battery type CR2	CR2032 3V 230 mAh Lithium battery	4xAAA alkaline battery	4x1.5V D alkaline
Average battery life	4 years	2 years	3 years	3 years	3 years
Mounting type	Ceiling	Opposite to glass surfaces to be monitored	-	Wall, floor	Wall, ceiling
Certification	CE, FCC, RoHs, EN 14604	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs

REMOTE CONTROL

Item no.: 12008

The main functions of the LUPUSEC remote control are to arm or disarm the system or the activate the home mode. It can be conveniently fastened to e.g. your key chain to provide you with access to the main functions of the alarm system at any time.

SCOPE OF DELIVERY:

» Remote control
» CR2032 3V 230 mAh lithium battery
» Manual

MEDICAL EMERGENCY CONTROLLER

Item no.: 12009

The LUPUSEC medical emergency bracelet is intended in particular to help people in need of care and is worn like a wrist watch. To call for help. Simply press the button for more than one second, and the main panel triggers the programmed alarm. The medical emergency controller is battery-powered and is wireless connected to the alarm system within the transmission range.

SCOPE OF DELIVERY:

» Medical emergency controller
» Batteries
» Screws and dowels
» Mounting plate
» Manual

WIRELESS RELAY

Item no.: 12014

The LUPUSEC wireless relay is a relay switch is to operate other devices to be operated with a relay switch. You can e.g. connect your lighting system to the alarm system. If an alarm is triggered, the wireless relay turns on the light. The main panel sends a signal to the wireless relay, which then again activates the relay and the connected relay circuit.

The wireless relay is connected via a 9V power supply unit and therefore needs an electrical connection.

SCOPE OF DELIVERY:

» Wireless relay
» DC 9V 0.5A power supply unit
» Manual

WIRELESS REPEATER

Item no.: 12016

Maximally 20 sensors can be connected to the LUPUSEC XT1 and maximally 160 to the XT2. If the transmission range of one or several sensors is not sufficient, you can increase it by means of the repeater. The activated repeater provides you with the double transmission range, as the sensors within the repeater range transmit at first to the repeater and then repeater then forwards the information to the main panel.

The repeater is connected via a 9V power supply unit and therefore needs an electrical connection.

SCOPE OF DELIVERY:

» Repeater
» 9V 500mA power supply unit
» Manual

LUPUSEC XT wireless detectors	Outdoor siren	Remote control	Medical emergency controller	Wireless relay	Wireless repeater
Dimensions	288x200x60mm (LxWxH)	approx. 34x60x15 mm (LxWxH)	111x60x111mm (LxWxH)	approx. 57x102x28 mm (WxHxD)	153x93x33 mm (HxWxD)
Weight	1.34 kg (incl. batteries)	approx. 0.04 kg (incl. battery)	0.29 kg	approx. 0.8 kg	0.2 kg
Type of sensor	-	-	Photodiode	-	-
Detection method	-	-	Optical	-	-
Sabotage monitoring	Yes, break contact	No	Yes, break contact	No	-
Sabotage indicator of sensor in main panel	Yes	No	Yes	No	-
Status indicator	Yes	No	Yes	No	-
Status monitoring by main panel	Yes	Yes	Yes	Yes	-
Status indicator in main panel	Yes	Yes	Yes	Yes	-
Battery indicator in main panel	Yes	Yes	Yes	No	-
Status monitoring of battery in main panel	Automatic	Upon each transmission	Automatic	No	Automatic
Radio frequency	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz
Transmission power	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW
Transmission range	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters
Modulation	FM	FM	FM	FM	FM
Mounting options	Bolted	-	Bolted, cemented	Wall	Bolted
Power supply	4x1.5V D alkaline	CR2032 3V 230 mAh lithium battery	4xAAA lithium battery	DC 9V 0.5A DC	DC 9V 500mA
Average battery life	3 years	3 years	4 years	-	Emergency power via battery (30 hours)
Mounting type	Wall, celing	-	Ceiling	-	Wall
Certification	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs, EN 14604	CE, FCC, RoHs	CE, FCC, RoHs

CO DETECTOR

Item no.: *12019*

The LUPUSEC CO detector is a sensor intended to detect the highly toxic carbon monoxide gas and reports every increase above the natural level reliably and promptly to the main panel, which then triggers the alarm accordingly. The CO detector is battery-powered and is wireless connected to the alarm system within the transmission range.

SCOPE OF DELIVERY:

» CO detector
» 3xAA battery 1.5V
» Manual

HEAT DETECTOR

Item no.: *12018*

The LUPUSEC heat detector measures the speed of the temperature increase and the ambient temperature by means of two integrated sensors. If the temperature increases by more than 8.3 °C per minute or the ambient temperature above 57.3°C, the alarm is triggered. The heat detector can be perfectly installed in kitchens, as customary smoke detectors often raise false alarms due to cooking vapors.

SCOPE OF DELIVERY:

» Heat detector
» 3xAA alkaline battery 1.5V
» Screws and dowels
» Manual

TEMPERATURE SENSOR

Item no.: *12013*

The LUPUSEC temperature sensor measures the temperature on location and sends every change of temperature every 2 minutes directly to the main panel, so that you can check the temperature at the place in which the sensor is installed even while you're away.

Activation of surface and in-wall relay, if set temperatures are reached.

SCOPE OF DELIVERY:

» Temperature sensor
» 1/2 AA, 3V lithium battery
» Screws and dowels
» Manual

NEW

TEMPERATURE SENSOR WITH DISPLAY

Item no.: *12021*

The LUPUSEC temperature sensor with display measures the temperature and the humidity at the place of installation, shows them in the display and sends every change of temperature every 2 minutes directly to the main panel, so that you can check the temperature at the place in which the sensor is installed even while you're away. The temperature sensor is battery-powered and is wireless connected to the alarm system within the transmission range. Signal transmission cables or power supply units are NOT required.

Activation of surface and in-wall relay, if set temperatures are reached

SCOPE OF DELIVERY:

» Temperature sensor
» Manual

LUPUSEC XT wireless detectors	CO detector	Heat detector	Temperature sensor	Temperature sensor with display	Wireless socket
Dimensions	153x93x33 mm (HxWxD)	106x45mm (DxH)	113x25x27mm (LxHxW)	-	approx. 67x111x38 mm (WxHxD)
Weight	approx. 0.2 kg (incl. battery)	approx. 0.25 kg (incl. battery)	approx. 0.15 kg (incl. battery)	-	approx. 0.8 kg
Type of sensor	-	Temperature sensor	Temperature measurement	-	-
Detection method	CO sensor	Temperature measurement	Temperature sensor	-	-
Sabotage monitoring	No	No	No	-	No
Sabotage indicator of sensor in main panel	No	No	No	-	No
Status indicator	Yes	Yes	Yes	-	No
Status monitoring by main panel	Yes	Yes	Yes	-	No
Status indicator in main panel	Yes	Yes	Yes	-	No
Battery indicator in main panel	Yes	Yes	Yes	-	No
Status monitoring of battery in main panel	Upon each transmission	Automatic	Automatic	-	No
Radio frequency	868,6625 MHz	868,6625 MHz	2,4 GHz	868,6625 MHz	868,6625 MHz
Transmission power	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW	max. 10 mW
Transmission range	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	-	Approx. 30 to 100 meters
Modulation	FM	FM	FM	FM	FM
Mounting options	-	Bolted	Bolted, cemented	Bolted	-
Power supply	3xAA battery 1.5V	3xAA alkaline battery 1.5V	1/2 AA 3V Lithium battery	230V	230V
Average battery life	3 years	3 years	approx. 1 year	-	-
Mounting type	-	Wall, ceiling	Wall, ceiling	-	-
Certification	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs

WIRELESS SOCKET

Item no.: 12010

The LUPUSEC XT1 wireless socket is used to activate and deactivate external devices. You can e.g. plug a lamp into the socket and configure the socket so that it is activated, if an alarm is triggered, and the lamp is turned on. You can furthermore activate/deactivate the socket remotely via e.g. your smartphone. The socket is plugged into a customary household socket.

Attention! This sensor is not compatible with the XT2!

SCOPE OF DELIVERY:
» Wireless socket
» Manual

WIRELESS SOCKET WITH POWER METER

Item no.: 12022

The LUPUSEC wireless socket is used to activate and deactivate external devices. You can e.g. plug a lamp into the socket and configure the socket so that it is activated, if an alarm is triggered, and the lamp is turned on. You can furthermore activate/deactivate the socket remotely via e.g. your smartphone. The socket is plugged into a customary household socket.

SCOPE OF DELIVERY:
» Wireless socket
» Manual

IN-WALL RELAY

Item no.: 12024

The LUPUSEC in-wall relay is used to activate and deactivate external devices (smart home functions). You can e.g. connect lamps to the relay and configure them so that the relay is activatated in case of an alarm or in a time- or temperature-controlled manner. ou can furthermore activate/deactivate the relay remotely via your e.g. smartphone. Because of its small size, the in-wall relay perfectly fits in almost every electric conduit, e.g. behind your electric switches.

SCOPE OF DELIVERY:
» In-wall relay
» Manual

IN-WALL RELAY WITH POWER METER

Item no.: 12023

The LUPUSEC in-wall relay is used to activate and deactivate external devices (smart home functions). You can e.g. connect lamps to the relay and configure them so that the relay is activatated in case of an alarm or in a time- or temperature-controlled manner. You can furthermore activate/deactivate the relay remotely via your e.g. smartphone. Because of its small size, the in-wall relay perfectly fits in almost every electric conduit, e.g. behind your electric switches.

SCOPE OF DELIVERY:
» In-wall relay
» Manual

WIRELESS SENSOR INPUT

Item no.: 12020

The LUPUSEC wireless sensor input has a potential-free contact. If this is bridged (closed), e.g. by an already available cable-connected door contact, a photoelectric barrier, a BUS system, or similar, then the alarm is triggered. You can connect one or more detectors to one sensor input.

SCOPE OF DELIVERY:
» Wireless sensor input
» Batteries
» Screws and dowels
» Manual

WIRELESS BOLT SWITCH CONTACT

Item no.: 12026

The wireless bolt switch contact is simply installed and fixed in the door frame to trigger the contact by locking/unlocking the door. In the automation mode of the XT2, you can then define actions, such as e.g. arming/disarming, light on/off, standby devices on/off and many more. The XT1 can only show the status (locked/unlocked). The bolt switch contact is connected to the sensor input by means of a small cable.

SCOPE OF DELIVERY:
» Wireless bolt switch contact

LUPUSEC XT wireless detectors	Wireless socket with power meters	In-wall relay	In-wall relay with power meters	Wireless sensor input	Wireless bolt switch contact
Dimensions	approx. 67x111x38 mm (WxHxD)	approx. 71x49x26 mm (LxWxH)	approx. 71x49x26 mm (LxWxH)	approx. 117x27x27 mm (WxHxT)	Wireless sensor input: 117x27x27 mm (WxHxD) Bolt switch contact: 7 mm Ø, 27 mm (L)
Weight	approx. 0.8 kg	approx. 0.3 kg	approx. 0.3 kg	0.29 kg	0.29 kg
Type of sensor	-	-	-	-	-
Detection method	-	-	-	potential-free contact	potential-free contact
Sabotage monitoring	No	No	No	Yes, disassembly contact	Yes, disassembly contact
Sabotage indicator of sensor in main panel	No	No	No	Yes	Yes
Status indicator	Yes	Yes	Yes	Yes	Yes
Status monitoring by main panel	Yes	Yes	Yes	Yes	Yes
Status indicator in main panel	Yes	Yes	Yes	Yes	Yes
Battery indicator in main panel	No	-	-	Yes	Yes
Status monitoring of battery in main panel	No	-	-	Automatic	Automatic
Radio frequency	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz	868,6625 MHz
Transmission power	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters	Approx. 30 to 100 meters
Transmission range	-	-	-	Bolted, cemented	Bolted, cemented
Modulation	230V	-	-	1 x 1/2 AA 3.6V lithium battery	1 x 1/2 AA 3.6V lithium battery
Average battery life	-	-	-	2.8 years	2.8 years
Complies with international guidelines	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs	CE, FCC, RoHs, EN 14604	CE, FCC, RoHs, EN 14604

LUPUSNET HD – FUTURE SECURITY

UPDATE

LUPUSNET HD - LE 923 POE

Item no.: 10923

MPEG4 · @ · H.264 · Zoom · IP · IR shift

The new 2 Megapixel LUPUSNET HD LE 923 camera meets the highest professional standards. Its excellent features combined with the comparably favorable pricing and the little installation effort make it an unbeatable partner for every set of requirements. The 2 Megapixel sensor delivers highest full HD resolutions of up to 920x1280 pixel at a frame rate of 30 frames per second. Because of the integrated IR cut filter, it can be combined with customary IR lamps to provide well focused pictures in the highest resolution even at night. The powerful H.264 compression, power supply directly via the network cable (PoE), 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

Network cameras are the future of video surveillance technology. They have LAN or WLAN interfaces to transmit pictures. They can be accessed via networks or the internet. Compared to analog technology, network cameras provide many advantages. Their resolution is many times higher: The HD resolution of an IP camera is at least H 1280x720 pixel, the resolution of a standard camera in contrast is only 752x582 pixel. Due to the up to 5 Megapixel technology of the LUPUSNET series, fewer security cameras are required than with customary analog technology. Security concepts can thus be implemented in a more cost-efficient way. Further cost advantages result from the software, which is included in the scope of delivery of LUPUSNET IP cameras. The recordings of up to 36 cameras can be saved and administrated with the software.

The high image quality of the LUPUSNET HD surveillance cameras is ensured by day and by night. They can be combined with customary infrared lamps. They illuminate the IP camera's field of view and ensure the optimal night vision ranging up to 40 meters. Wide Dynamic Range technology and 3D DNR noise suppression provide for clear resolution.

WLAN cameras can be installed via a cable or via a WiFi connection. They are flexibly applicable and can be installed indoors and outdoors. As every area to be monitored requires different things from the security concept, different CCTV housings and equipment options are available to provide you with the best possible solution in every situation. An extremely photosensitive WLAN camera as the LUPUSNET LE 933 provides excellent pictures even in bad lighting conditions and is thus suited for badly illuminated buildings or the license plate recognition.

HARDWARE	
CPU	Multimedia SoC
RAM	256 MB
Flash	512 MB
Camera sensor	1/3.2" (7.9 mm) CMOS (Sony Exmor®)
Sensitivity	0.01 Lux color, 0.005 Lux bw (IR off), 0 lux (IR on)
DC Iris	Yes
View angle	depends on the selected lens (see field above)
ICR	IR Cut filter
LED	None
Night vision range	-
I/O	1 sensor input /1 sensor output
RS-485	Yes
Video output	1
Audio input	Integrated microphone, 1 x 3.5 mm jack
Audio output	1 x 3.5 mm jack
Power over Ethernet (POE)	Yes
Power consumption	DC 12V 500 mA power supply unit: 3.84 W AC24V: 4.32 W PoE: 4.8W
Operating temperature	0°C ~ 50°C
Dimensions	58 mm (W) x 65 mm (H) x 131.5 mm (D)
Protection class	-
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)
Backlight compensation	7 areas, Smart function, Level 0 - 255
Freeze	ON / OFF, inversion
NETWORK	
Network protocol	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet	10/100 Base-T
Wireless	No
Security	-
SYSTEM	
Video resolution	1920x1080@30fps / 1280x720@30fps / 640x480@30fps / 320x240@30fps / 176x144@30fps
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy mask	Yes, in 3 different zones
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different zones
Releasable action	Mail, FTP, relay output

Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Recording triggered by	Motion detection, check of IP, network crash (only when connected by cable), schedule, relay output
SD card slot	Yes, up to 32 GB (SD card not included in scope of delivery)

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024 MB, graphics board: 128 MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, Graphics board: 64MB

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick user manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 500mA

NETWORK

Network protocol	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet	10/100 Base-T
Wireless	2.4 Ghz
Security	WEP, WPA-PSK,WPA2-PSK

SYSTEM

Video resolution	1920x1080@30fps / 1280x720@30fps / 640x480@30fps / 320x240@30fps / 176x144@30fps
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy mask	Yes, in 3 different zones
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different zones
Action triggered	Mail, FTP, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Recording triggered by	Motion detection, check of IP, network crash (only when connected by cable), schedule, relay output
SD card slot	Yes, up to 32 GB (SD card not included in scope of delivery)
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick user manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

LUPUSNET HD LE 924 WLAN

Item no.: 10924

MPEG4 | @ | IR | H.264 | Zoom | IP | IR Shift

Professional 2 Megapixel video surveillance camera by day and by night: The LUPUSNET HD LE 924 meets almost every demand with up to 1920x1080 pixel at 30 FPS real-time presentation. Its excellent features combined with the comparably favorable pricing and the little installation effort make it an unbeatable partner for every set of requirements. The camera is equipped with an infrared cut filter to record also separate infrared light. The powerful H.264 compression, possible connection via WLAN or Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE

CPU	Multimedia SoC
RAM	256 MB
Flash	512 MB
Camera sensor	1/3.2" (7.9 mm) CMOS (Sony Exmor®)
Sensitivity	0.01 Lux color, 0.005 Lux bw (IR off), 0 lux (IR on)
DC Iris	Yes
View angle	depends on the selected lens (see field above)
ICR	IR Cut filter
LED	None
Night vision range	-
I/O	1 sensor input /1 sensor output
RS-485	Yes
Video output	1
Audio input	Integrated microphone, 1 x 3.5 mm jack
Audio output	1 x 3.5 mm jack
Power over Ethernet (POE)	No
Power consumption	DC 12V 500mA
Operating temperature	0°C ~ 50°C
Dimensions	58 mm (W) x 65 mm (H) x 131.5 mm (D)
Protection class	-

LUPUSNET HD
LE 931 WLAN / LE 932 POE

Item no.: 10931 / 10932

MPEG4 ☀ @ 📱 € 🔧 IR H.264 📶 💧 Zoom IP IR Shift

Professional 1.3 Megapixel video surveillance (with or without WLAN) by day and by night: The LUPUSNET HD LE 931/LE 932 with up to 1280x720 pixel at 30 FPS in real-time presentation will meet almost any demand. The camera is equipped with high-performance infrared LEDs and provides for a crystal clear high definition night vision of up to 20 meters. In combination with the weatherproof design, it is the perfect solution for outdoor installations. The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE

CPU	Mulimedia SoC
RAM	128MB
Flash	16MB
Camera sensor	1/4" (6.35mm) CMOS Sensor
Sensitivity	0.1 Lux color, 0.5 Lux bw (IR off), 0 lux (IR on)
Resolutions	1280@800@30fps / 1280x720@30fps / 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	Yes, 3-10.5mm@F1.4
View angle	21.71° ~ 69.02° (horizontal) 13.72° ~ 40.04° (vertical)
ICR	Mechanically swivel-mounted IR cut filter
LED	integrated 35 IR LED
Night vision range	20 m
I/O	1sensor input /1 relay output GND (Ground): Initial state is LOW DO (Digital Output): DC 5V, 15mA DI (Digital Input): Max. 50mA, DC 5V)
RS-485	No
Video output	No
Audio input	No
Audio output	No
Power over Ethernet (POE)	No (LE 931), yes, IEEE standard 802.3af (LE 932)
Power consumption	Via power supply unit DC 12V 500mA: 2.52W (IR off), 4.68W (IR on), via PoE (LE 932): 3.36W (IR off), 6.72W
Operating temperature	-20°C ~ 50°C
Dimensions	81mmØ x 100 mm (170 mm with bent foot)
Protection class	IP66

SYSTEM

Camera name	max. 22 characters
LED status light in camera front	Activatable / deactivatable
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Spanish
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	Yes, 10/100 Base-T
Wireless	Yes, 2,4 Ghz (LE 931), No (LE 932)

Security (WLAN)	WEP, WPA-PSK,WPA2-PSK (LE 931)
IP settings	Via separate IP finder, in web server (DHCP / static), IPv6 support (DHCP), port setting (HTTP & HTTPS), UPnP (Port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.org, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	Mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 10 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 zones), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, FPS, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Live image settings	Image size (1/2, x1, x2), streaming selection (1, 2), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 10 seconds video enclosed), FTP (upload of image of 10 seconds video), activate relay switch contact, send HTTP command (e.g. to send text message, 3 areas selectable)
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Schedule	Table (Mon- Sun, 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in	E-mail account, FTP, Samba
I/O settings	Sensor input (5V NCC / NOC), N.O./N.C. selectable, mailing, schedule
Action upon sensor input	E-mail (with picture or 10 seconds video enclosed), FTP (upload of image of 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video enclosed), send HTTP command (e.g. to send text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds), relay switches 5-125V
Log list	System log, Motion detection log, I/O log, all logs
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick user manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

UPDATE

LUPUSNET HD
LE 933 WLAN / LE 934 POE

Item no.: 10933 / 10934

(€) (IR) (Zoom) (IR Shift) (H.264) (MPEG4) (@) (IP) ((•))

Top-of-the-line model with 2 Megapixel for FULL HD video surveillance. Top values in photosensitivity and image quality: The LUPUSNET HD LE 933/LE 934 with up to 1920x1080 pixel at 30 frames per second meets almost every demand. Its excellent features combined with the comparably favorable pricing and the little installation effort make it an unbeatable partner for every set of requirements. Also because you can individually adjust every image parameters: shutter times, 10 WDR and sense-up levels can be set according to the available light, furthermore the threshold of the day/night shift can be adjusted. Thus, the new Sony Exmor camera sensor shows its strengths even when it is dark. In combination with the weatherproof design, it is the perfect solution for outdoor installations.

HARDWARE

CPU	Multimedia SoC
RAM	256MB
Flash	512MB
Camera sensor	1/3.2" (7.9 mm) CMOS (Sony Exmor®)
Sensitivity	0.01 Lux color, 0.005 Lux bw (IR off), 0 lux (IR on)
Resolutions	1920x1080@30fps / 1280x720@30fps/ 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	3-10.5@F1.4 mm Megapixel F 1.8
View angle	31.9° ~ 104.9° (horizontal) 17.2° ~ 53.9° (vertical)
ICR	Mechanically swivel-mounted IR Cut filter
LED	integrated 35 IR LED
Night vision range	25 m
I/O	1 sensor input /1 relay output GND (Ground): Initial state is LOW DO (Digital Output): DC 5V, 15mA DI (Digital Input): Max. 50mA, DC 5V)
SD card slot	Yes, MicroSD up to 32GB (not included in scope of delivery)
RS-485	Yes
Video output	1 BNC 75Ohm
Audio input	1 jack 3.5mm
Audio output	1 jack 3.5mm
Power over Ethernet (POE)	No (LE 933), yes, IEEE standard 802.3af (LE 934)
Power consumption	DC 12V 500mA: 3.84W (IR off), 5.76W (IR on) Via PoE (LE 934): 4.8W (IR off), 7.68W
Operating temperature	-20°C ~ 50°C
Dimensions	83mmØ x 170 mm length (240 mm with bent foot)
Protection class	IP66

SYSTEM

Camera name	max. 22 Characters
LED status light in camera front	Activatable / deactivatable
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	yes, 10/100 Base-T
Wireless	Yes, 2.4 Ghz (LE 933), No (LE 934)
Security	WEP, WPA-PSK, WPA2-PSK

IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port setting (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.org, dyndns.org, ddns. camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/ HTTPS, both)
SNMP	Simple Network Management Protokoll (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	Mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 15 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 zones), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	From IP camera to PC (activate/deactivate), audio type: G.711 (64Kbit), G.726 (24Kbit), G.726 (32Kbit), volume adjustment (microphone input / speaker output)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity
Action upon motion	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Backup	In case of network failures, recordings are made to the SD card
IP check	Checks for internet connection, in c ase of failures, recordings are made to the SD card
Schedule	Table (Mon- Sun, 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in/on	E-mail account, FTP, Samba, SD card
I/O settings	Sensor input (5V NCC / NOC), N.O./N.C. selectable, mailing, schedule
Action upon sensor input	E-mail (with picture or 15 seconds video enclosed), FTP (upload of image of 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds)
Log list	System log, Motion detection log, I/O log, all logs
SD card	Show files, automatic deletion
Software/NVR/NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick user manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

NEW

LUPUSNET HD LE 936

Item no.: 10936

MPEG4 | Mini | @ | IR | H.264 | Zoom | IP | IR Shift

Top-of-the-line model with 5 Megapixel for HD video surveillance. Top values in photosensitivity and image quality: LUPUSNET HD LE 936 - the 5 Megapixel camera for professional and detailed video surveillance. With up to 2592x1944 pixel at 15 FPS, the new LUPUSNET LE 936 provides for a new dimension of crystal clear video surveillance. In particular concerning the detailed surveillance of large areas, or if face and license plate recognition are essential requirements, the new LUPUSNET LE 936 fully shows its strengths. Wherever several cameras for the detailed surveillance of large areas were required before, now one single LUPUSNET LE 936 camera may often be sufficient. Equipped with the tried and tested LUPUSNET HD bullet housing, it is protected against wind and weather and thus perfectly suited for outdoor installations and of course compatible with our junction box for clean installation. The PoE option provides for power supply through the mains cable.

HARDWARE

CPU	ARM Cortec A9
RAM	256MB
Flash	16MB
Camera sensor	1/3.2" (7,9mm) CMOS
Sensitivity	0.5 Lux color, 0.1 Lux bw (IR off), 0 lux (IR on)
Resolutions	2592x1944@15FPS / 2048x1536@15FPS / 1920x1080@30fps / 1280x720@30fps / 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	Yes, Variofocal 3.6 - 16mm Megapixel, aspherical
View angle	Horizontal from 64.2° to 19.4° Vertical from 44.9° to 13.6°
ICR	Mechanically swivel-mounted IR cut filter
LED	Integrated 35 IR LED
Night vision range	25 m
I/O	1sensor input /1 relay output GND (Ground): Initial state is LOW DO (digital output): DC 5V, Max. 15mA DI (digital input): Max. 50mA, DC 5V)
SD card slot	Yes, MicroSD up to 32GB (not included in scope of delivery)
RS-485	Yes
Video output	1 BNC 75Ohm
Audio input	1 jack 3.5mm
Audio output	1 jack 3.5mm
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 3.84W (IR off), 5.76W (IR on), Via PoE: 4.8W (IR off), 7.68W
Operating temperature	-20°C ~ 50°C
Dimensions	83mmØ x 170 mm length (240 mm with bent foot)
Protection class	IP66

SYSTEM

Camera name	max. 22 characters
LED status light in camera front	Activatable / deactivatable
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	Yes, 10/100 Base-T
Wireless	No

Security (WLAN)	-
IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port selection (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.org, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP / HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell /NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	E-mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 15 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	From IP camera to PC (activate/deactivate), audio type: G.711 (64Kbit), G.726 (24Kbit), G.726 (32Kbit), volume adjustment (microphone input / speaker output)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Backup	In case of network failures, recordings are made to the SD card
IP check	Checks for internet connection, in c ase of failures, recordings are made to the SD card
Schedule	Table (Mon- Sun, 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snaphots in/on	E-mail account, FTP, SD card, Samba
I/O settings	Sensor input (5V NOC / NCC), N.O./N.C. selectable, e-mailing, schedule
Action upon sensor input	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds)
Log list	System log, Motion detection log, I/O log, all logs
SD card	Show files, automatic deletion
Software/NVR/NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone, Heitel (and any others supporting the ONVIF 2.10 protocol)

LUPUSNET HD LE 966

Item no.: *10966*

MPEG4 · Mini · · @ · · IR · H.264 · Zoom · IP · IR Shift

Top-of-the-line model with 2 Megapixel for FULL HD video surveillance. Top values in photosensitivity and image quality: The LUPUSNET HD LE 966 with up to 1920x1080 pixel at 30 frames per second meets almost every demand. Its excellent features combined with the comparably favorable pricing and the little installation effort make it an unbeatable partner for every set of requirements. Also because you can individually adjust every image parameters: shutter times, 10 WDR and sense-up levels can be set according to the available light, furthermore the threshold of the day/night shifting can be adjusted. Thus, the new Sony Exmor camera sensor shows its strengths even when it is dark. In combination with the neutral design and the particular wide view angle, it is the perfect solution for indoor installations.

HARDWARE

CPU	Multimedia SoC
RAM	256MB
Flash	512MB
Camera sensor	1/3.2" (7,9mm) CMOS (Sony Exmor®)
Sensitivity	0.01 Lux color, 0.005 Lux bw (IR off), 0 lux (IR on)
Resolutions	1920x1080@30fps / 1280x720@30fps/ 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	Yes, progressive addition lens 3-9 mm megapixel
View angle	28° ~ 103° (horizontal) 15.6° ~ 52° (vertical)
ICR	Mechanically swivel-mounted IR cut filter
LED	integrated 18 IR LED
Night vision range	max.15m
I/O	1sensor input /1 telay output GND (Ground): Initial state is LOW DO (digital output): DC 5V, 15mA DI (digital input): Max. 50mA, DC 5V)
RS-485	No
Video Output	1 BNC 75Ohm
Audio Input	Yes
Audio Output	Yes
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 3.24W (IR off), 4.92W (IR on); via PoE: 4.32W (IR off), 6.24W
Operating temperature	0°C ~ 40°C
Dimensions	132mmØ x 108 mm (D)
Protection class	IP54
SD card slot	Yes, max. 32GB microSD (not included in scope of delivery)

SYSTEM

Camera name	max. 22 characters
LED status light in camera front	Activatable / deactivatable
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	Yes, 10/100 Base-T
Wireless	No
Security (WLAN)	-

IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port selection (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/ v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.org, dyndns.org, ddns.camddns. com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP / HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell /NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SN-MPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentifizierung und Autorisierung, CA Zertifikat / Client Zertifikat / Client Private Key
Server settings	Mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 15 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	From IP camera to PC (activate/deactivate), audio type: G.711 (64Kbit), G.726 (24Kbit), G.726 (32Kbit), volume adjustment (microphone input / speaker output)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), audio chat (on, off), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Backup	In case of network failures, recordings are made to the SD card
IP check	Checks for internet connection, in c ase of failures, recordings are made to the SD card
Schedule	Table (Mon- Sun, 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots on/in	E-mail account, FTP, SD card, Samba
I/O settings	Sensor input (5V NOC / NCC), N.O./N.C. selectable, e-mailing, schedule
Action upon sensor input	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), activate relay switch contact, save on SD card (image or max. 15 seconds video), SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds)
Log list	System log, Motion detection log, I/O log, all logs
SD card	Show files, automatic deletion
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (sand any others supporting the ONVIF 2.10 protocol
	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

LUPUSNET HD LE 967

Item no.: *10967*

Mini | @ | 📱 | € | 🔧 | H.264 | 💧 | IP

Professional 1.3 Megapixel video surveillance in extremely small, impact-proof housing: The LUPUSNET HD LE 967 with up to 1280x720 pixel at 30 FPS in real-time presentation meets almost every demand. Despite its small size, this mini dome has an extremely stable, vandal-proof housing (IP54). The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE

CPU	Multimedia SoC
RAM	128MB
Flash	16MB
Camera sensor	1/4" (6.35 mm) CMOS sensor
Sensitivity	0.2 Lux color (AGC on)
Resolutions	1280@800@30fps / 1280x720@30fps / 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	No, 2.8 @ F1.8
View angle	77.79° (horizontal) 49.55° (vertical)
ICR	-
LED	-
Night vision range	-
I/O	-
SD card slot	Yes, MicroSD (card not included in scope of delivery)
Video output	No
Audio input	No
Audio output	No
Power over Ethernet (POE)	Yes, IEEE- sandard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 1.8W Via PoE: 2.4W
Operating temperature	-10°C ~ 50°C
Dimensions	80mm Ø x 67 (H) mm
Protection class	IP54
Weight	340 g

SYSTEM

Camera name	max. 22 characters
LED status light in camera front	-
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	yes, 10/100 Base-T
Wireless	No
Security (WLAN)	-
IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port selection (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)

PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.de, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP Filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	E-mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 10 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	-
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Schedule	Table (Mon-Sun 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in/on	E-mail account, FTP, SD card, Samba
I/O settings	-
Action upon sensor input	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relais switch contact	Modes: On/Off switch, timer (1-60 seconds), relay switches 5-125V
Log list	System log, Motion detection log, I/O log, all logs
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logi-link, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

NEW

LUPUSNET HD LE 968

Item no.: *10968*

MPEG4 | Mini | @ | € | IR | H.264 | IP | IR Shift

Professional 1.3 Megapixel video surveillance in an extremely small housing: The LUPUSNET HD LE 968 with up to 1280x720 pixel at 30 FPS in real-time presentation meets almost every demand. This mini dome has a small, very easy-to-install housing. The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE	
CPU	Multimedia SoC
RAM	128MB
Flash	16MB
Camera sensor	1/4'' (6.35mm) CMOS Sensor
Sensitivity	0.2 Lux color (AGC on), 0.1 Lux b/w
Resolutions	1280@800@30fps, 1280x720@30fps, 640x480@30fps, 320x240@30fps, 176x144@30fps
DC Iris	No, 2.8 @ F1.8
View angle	77.79° (horizontal)
	49.55° (vertical)
ICR	Yes, mechanical IR cut filter
LED	6 LED, 850 nm
Night vision range	5m
I/O	1sensor liput /1 relay output GND (Ground): Initial state is LOW DO (digital output): DC 5V, 15mA DI (digital input): Max. 50mA, DC 5V)
SD card slot	Yes, MicroSD (card not included in scope of delivery)
Video output	No
Audio input	No
Audio output	No
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 1.8W
	Via PoE: 2.4W
Operating temperature	-10°C ~ 50°C
Dimensions	100 mm Ø x 49 (H) mm
Protection class	IP54
Weight	180 g

SYSTEM	
Camera name	max. 22 characters
LED status light in camera front	-
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK	
Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	yes, 10/100 Base-T
Wireless	No
Security (WLAN)	-

IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port setting (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.de, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/HTTPS, both)
SNMP	Simple Network Management Protool (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	E-mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 10 seconds AVI video

A/V SETTINGS	
Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	Integrated microphone and audio output (terminal) Compression: G.711 (64K and G.726 (32K, 24K)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), audio chat (on, off), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer

EVENT SETTINGS	
Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Schedule	Table (Mon-Sun 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in/on	E-mail account, FTP, Samba
I/O settings	-
Action upon sensor input	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds), relay switches 5-125V
Log list	System log, Motion detection log, I/O log, all logs
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SYSTEM REQUIREMENTS	
Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY	
LUPUSNET HD network camera model LE 968	Software LUPUSNET HD Lite
Mount included	Quick User Manual for camera, user manual for software and camera on CD
	Power supply unit 12V 1**A**

NEW

LUPUSNET HD LE 969

Item no.: 10969

MPEG4 · Mini · · @ · · € · IR · H.264 · IP · IR-Shift

Professional 2 Megapixel video surveillance in extremely small housing: The LUPUSNET HD LE 969 with up to 1920x1080 Pixel at 30 FPS in real-time presentation meets almost every demand. This mini dome has a small, very easy-to-install housing. The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE

CPU	Multimedia SoC
RAM	128MB
Flash	16MB
Camera sensor	1/3'' (2.7 mm) CMOS sensor
Sensitivity	0.1 Lux color (AGC on), 0.05 Lux b/w
Resolutions	1920x1080@30fps, 1280@800@30fps, 1280x720@30fps, 640x480@30fps, 320x240@30fps, 176x144@30fps
DC Iris	No, 2.8 @ F1.8
View angle	111.10° (horizontal)
	65.10° (vertical)
ICR	Yes, mechanical IR cut Filter
LED	6 LEDs, 850 nm
Night vision range	5 m
I/O	1sensor input /1 relay output GND (Ground): Initial state is LOW DO (digital output): DC 5V, 15mA DI (digital input): Max. 50mA, DC 5V)
SD card slot	Yes, MicroSD (card not included in scope of delivery)
Video Output	No
Audio Input	No
Audio Output	No
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 3W
	Via PoE: 4,3W
Operating temperature	-10°C ~ 50°C
Dimensions	100mm Ø x 49 (H) mm
Protection class	IP54
Weight	180g

SYSTEM

Camera name	max. 22 characters
LED Status light in camera front	-
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

NetworkProtocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	yes, 10/100 Base-T
Wireless	No
Security (WLAN)	-

IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port selection (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, mailing upon login
DDNS	On / off, provider: lupus-ddns.de, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	E-mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 10 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time), Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV output (PAL/NTSC/AUTO), stream 1 and 2: resolution, profile, video quality, bit rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	Integrated microphone and audio output (terminal) Compression: G.711 (64K and G.726 (32K, 24K)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 5 seconds
Schedule	Table (Mon-Sun 0-24)
Snapshot	Activate / deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in/on	E-mail account, FTP, Samba
I/O settings	-
Action upon sensor input	E-mail (with image or 10 seconds video enclosed), FTP (upload of image or 10 seconds video), activate relay switch contact, SAMBA (upload of image or 10 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds), relay switches 5-125V
Log list	System log, Motion detection log, I/O log, all logs
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY

LUPUSNET HD Network camera model LE 969	Software LUPUSNET HD Lite
Mount included	Quick User Manual for camera, user manual for software and camera on CD
Power supply unit 12V 1A	

LUPUSNET HD LE 981 POE

Item no.: 10981

Our outdoor IP speed dome LE 981 ensures flexible all-round protection: It provides crystal clear colored pictures with 1.3 Megapixel and black and white pictures at up to 0.05 Lux. The dome camera can record also IR light due to the integrated mechanical IR cut filter. It is conveniently controlled either by our professional keyboard, a computer or one of our NVR hard disk recorders. The highspeed domes rotates at rapid 200° per second, recording excellent pictures. The optical zoom provides for the 22-fold magnification of the picture, so that you don't miss anything even in the remotest corners. Integrated ventilation and heating enable the operation of the camera at -20 to +50°C. Our LUPUSNET HD software to record and control the camera is included in the scope pf delivery free of charge.

HARDWARE

CPU	ARM 926EJ
RAM	256MB
Flash	16MB
Camera sensor	1/3" 1.3M Panasonic CMOS sensor
Sensitivity	0.05 lux @F1.6(B/W), 0.1 lux (color) electronic shutter
Lens	f=4.7~103.4mm, 22X optical zoom
Pan + tilt angle	Pan: 0°~320° / Tilt: 0°~90° auto flip - manual pan: 0.45°~90°/s / Tilt: 0.35°~45°/s
ICR	IR Cut filter
Preset speed	200°/second
Preset memory dots	128, 0.15° precision
BLC	Off / BLC / HSBLC
Guard rounds	8 groups
Day & night mode	Auto / Color / B/W with auto ICR, SensUp 0 - 256X
I/O	2 D.I / 1 D.O
Audio	G.711(64K) and G.726(32K,24K) audio compression Input : 3.5mm phone jack Output: 3.5mm phone jack, support 2-way.
Power over Ethernet (POE)	Yes
Power consumption	AC 24V : 11.52W PoE : IEEE 802.3at, 12W
Operating temperature	-20°C ~ +50°C
Dimensions	219(D)x264.7(H)

NETWORK

Network protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA (NAS storage)
Ethernet	10/100 Base-T
Security	Optional (depends on model)

SYSTEM

Video resolution	1280x800 @ 30fps / 1280x720, 640x480, 320x240, 176x144
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple Streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy mask	Yes, in 3 different areas
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different areas
Action triggered	E-mail, FTP, save on SD card, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Trigger of recording	Motion detection, check of IP, network failure (only via LAN cable), schedule, relay output
Video format	AVI, JPEG
View recording	Yes
Delete data from SD	Yes

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V

THE PERFECT TOOL FOR LARGE-SCALE SURVEILLANCE PROJECTS

In particular the surveillance of large areas or long fence or perimeter security systems with high demands on security require especially efficient technologies. The LUPUSNET LE 933 with its high FULL HD resolution and the range and quality of night vision is the perfect tool for such applications.

LUPUSNET HD LE 982

Item no.: *10982*

Our outdoor IP speed dome LE 982 ensures flexible all-round protection: It provides crystal clear colored pictures with 1.3 Megapixel and black and white pictures at up to 0.1 Lux. The dome camera can record also IR light due to the integrated mechanical IR cut filter. It is conveniently controlled either by our professional keyboard, a computer, or one of our NVR hard disk recorders. The highspeed domes rotates at speedy 120° per second, recording excellent pictures. The optical zoom provides for the 22-fold magnification of the picture, so that you don't miss anything even in the remotest corners. Integrated ventilation and heating enable the operation of the camera at -20 to +50°C. Our LUPUSNET HD software to record and control the camera is included in the scope pf delivery free of charge.

HARDWARE	
CPU	ARM, 9, 32 bit RISC
RAM	256MB
Flash	16MB
Camera sensor	1/3" 1.3M Panasonic CMOS sensor
Sensitivity	0.05 lux @F1.6(B/W), 0.1 lux (color) electronic shutter
Lens	f=4.7~103.4mm, 22X optical zoom
Pan + tilt angle	Pan: 0°~320° / Tilt: 0°~90° auto flip - manual pan: 0.45°~90°/s / Tilt: 0.35°~45°/s
ICR	IR Cut filter
Preset speed	200°/second
Preset memory dots	128, 0.15° precision
BLC	Off / BLC / HSBLC
Guard rounds	8 groups
Day & night mode	Auto / color / B/W with auto ICR, SensUp 0 - 256X
I/O	2 D.I / 1 D.O
Audio	G.711(64K) and G.726(32K,24K) audio compression Input : 3.5mm phone jack Output: 3.5mm phone jack, support 2-way
Power over Ethernet (POE)	Yes
Power consumption	12V DC max: 7.7 W PoE max: 9.3W
Operating temperature	-5°C ~ +45°C

Dimensions	149(W)x161.3(H)x150(D)
NETWORK	
Network protocols	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA (NAS storage)
Ethernet	10/100 Base-T
Security	Optional (depends on model)
SYSTEM	
Network protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA (NAS storage)
Ethernet	10/100 Base-T
Security	Optional (depends on model)
Screenshots	Yes
Full screen	Yes
Privacy mask	Yes, in 3 different areas
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different areas
Action triggered	E-mail, FTP, save on SD card, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Trigger of recording	Motion detection, check of IP, network failure (only via LAN cable), schedule, relay output
Video format	AVI, JPEG
View recording	Yes
Delete data from SD	Yes

SYSTEM REQUIREMENTS	
Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY	
	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V

JUNCTION BOX

Item no.: *10915*

Easier installation than ever, all connections of LE 931/932/933/934/936 in one housing: The new design leads all cables on the inside through the foot to the new junction box made of high-quality aluminium. The junction box is screwed directly under the foot and acts as an extended foot plate. It is big enough to house all cable connection for a clean and aesthetic installation.

L-TYPE WALL BRACKET

Item no.: *10914*

This stable wall mount made of aluminium facilitates the mounting of the models given below to wall. If necessary, holes to mount other models can be drilled into the mounting plate.

» Aluminium wall mount
» Extremely stable design
» Holes matching models: LE 960, LE 966, and LE 971

POE INJECTOR 8/16/24 PORT

Item no.: 108050-108052

» 8 / 18 or 24 port variant available
» Rack installation possible
» 48 V/DC
» 0.35 A
» 15.4 W per port
» GUI interface for diagnosis via USB port
» Power supply via data cable
» Compatible with IEEE802.3af and Gigabit

FEATURES

» Overvoltage and overcurrent protection
» DC diagnosis indicator
» Delivery without mains cable

TECHNICAL DATA	
Output voltage	48 V/DC
Output current	0.35 A
Performance	15.4 W per port
Input voltage	90 - 264 V/AC
Outputs	1
Inputs	Supply voltage: IEC 320-C14, Ethernet: RJ45
Weight	200 g
Type	PSA16U-480
ErP status	Excluded
Type	Clocked

POWER SUPPLY VIA THE NETWORK

The LUPUSNET POE injectors are powerful Power-over-Ethernet power supply units connected between network switch and camera and supplying the cameras with power via the network line through the fully supported POE standard IEEE802.3af. They are particularly powerful and supply up to 36W per port.

The PoE power supply unit can also supply network devices such as e.g. IP telephones, IP printer servers, cameras, or access points etc. directly via the Ethernet line. The PoE power supply unit is simply looped in the network line.

PASSIVE POE ADAPTER

Item no.: 10800

» For cameras without PoE
» Consists of 2 parts

POE INJECTOR 4 PORT

Item no.: 10807

» 56 V/DC
» 0.35 A
» 36 W
» Power supply via data cable
» Compatible with IEEE802.3af and Gigabit

FEATURES

» Overvoltage and overcurrent protection
» DC diagnosis indicator
» Delivery without mains cable

TECHNICAL DATA	
Output voltage	56 V/DC
Output current	0.35 A
Performance	36 W
Input voltage	90 - 264 V/AC
Outputs	1
Inputs	Supply voltage: IEC 320-C14, Ethernet: RJ45
Weight	1200 g
Type	PSA125U-4AT
ErP status	Excluded
Type	Clocked

1 CHANNEL POE INJECTOR

Item no.: 10808

» 48 V/DC
» 0.35 A
» 15.4 W
» Power supply via data cable
» Compatible with IEEE802.3af and Gigabit

FEATURES

» Overvoltage and overcurrent protection
» DC diagnosis indicator
» Delivery without mains cable

TECHNICAL DATA	
Output voltage	48 V/DC
Output current	0.35 A
Leistung	15.4 W
Input voltage	90 - 264 V/AC
Ausgänge	1
Eingänge	Supply voltage: IEC 320-C14, Ethernet: RJ45
Weight	200 g
Typ	PSA16U-480
ErP Status	Ausgenommen
Typ	Clocked

COMPACT MEGAPIXEL SURVEILLANCE

The LUPUSNET LE 950B is the perfect camera to monitor indoor areas. Whether office or shop spaces, production areas, public or private spaces - the simple and fast installation, various integration options by WLAN or Ethernet as well as the 2 Megapixel picture quality make the LUPUSNET LE 950B the perfect all-rounder.

LUPUSNET HD LE 950B

Item no.: 10951

Compact, discreet video surveillance with Megapixel resolution: Like all cameras of the LUPUSNET HD series, the LUPUSNET HD LE 950 is equipped with excellent features at a comparably favorable price and is very simple to install. Not only its extremely slim design is a convincing feature, but also the 2 Megapixel image sensor that delivers crystal clear images. The 2-way audio transmission provides additional surveillance and communication tool for the camera. The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE

CPU	ARM, 9, 32 bit RISC
RAM	256MB
Flash	16MB
Camera sensor	1/4" (6.5 mm) CMOS
Sensitivity	0.5 lux @ F2.0
Replaceable lens	No
Supports DC Iris	No, 4 mm fixed (68°)
ICR	Not available
LED	No
Night vision range	No
I/O	No
RS-485	No
Video output	No
Audio input	Internal microphone
Audio input	No
Audio output	3.5mm jack
Power over Ethernet (POE)	No
Power consumption	DC 12V 200mA, WLAN: DC12V 250mA
Operating temperature	0°C ~ 60°C
Dimensions	59 mm x 93.7 mm x 45.5 mm
Weight	180 g

NETWORK

Network protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP
Ethernet	10/100 Base-T
Wireless	2.4 Ghz
Security	WEP, WPA-PSK, WPA2-PSK

SYSTEM

Video resolution	1600x1200@15FPS / 1280x1024 @15FPS / 1280x720 @ 25FPS / 640x480 @25FPS / 320x240, 160x120
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy mask	Yes, in 3 different areas
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different areas
Action triggered	E-mail, FTP, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Recording triggered by	Motion detection, check of IP, network failure (only with LAN cable), schedule
SD card slot	Yes, MicroSD
Storage on SD card	Time-controlled, motion-controlled, sensor alarm
Video size	max. 15 seconds per file of approx. 3 MB
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logi-link, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

UPDATE

LUPUSNET HD LE 990B

Item no.: *10990*

`MPEG4` `@` `📱` `PTZ` `€` `🔧` `H.264` `💧` `Zoom` `IP`

Professional 2 Megapixel (native) video surveillance over 360 degrees: The LU-PUSNET HD LE 990B with up to 1920x1080 pixel at 30 FPS presentation meets almost every demand. Because of its small housing, it can be installed to walls and ceilings and is extremely unconspicuous. The camera delivers an all-round view over 360 degrees through the fish eye lens, when mounted to the ceiling. The powerful H.264 compression, the optional connection via Ethernet, 3GPP live streaming and many more features furthermore ensure excellent transmission performance in every network.

HARDWARE	
CPU	ARM, 9, 32 bit RISC
RAM	256MB
Flash	16MB
Camera sensor	1/3.2" (7.9 mm) 2MP CMOS
Sensitivity	0.5lux @ F2.0
Adjustable lens	No
Lens type	1.47mm fish eye lens (=360°), 180° panoramic view and 4 PTZ via separate client software
LED	-
Night vision range	None
I/O	1 sensor input/1 sensor output
RS-485	No
Video Output	1
Audio Input	1
Audio Output	1
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	DC 12V 470mA
Dimensions	132mm Ø x 108 mm (D)
Weight	0.64 kg
3-axis foot setting angle	No

NETWORK	
Network protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA (NAS storage)
Ethernet	10/100 Base-T
Wireless	No
Security	Not available

SYSTEM	
Video adaptation	1920x1080@30FPS / 1600x1200 @30FPS / 1280x1024, 1280x960, 1280x720 @30FPS / 800x600, 640x480, 320x240, 176x144
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple Streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy Mask	Yes, in 3 different areas
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different areas
Action triggered	Mail, FTP, save on SD card, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	Yes, 2-way
Recording triggered by	Motion detection, check of IP, network failure (only with LAN cable), schedule, relay output
Video format	AVI, JPEG
View recordingss	Yes
Delete data from SD	Yes
Protection class	-

SCOPE OF DELIVERY	
	Software LUPUSNET HD Lite
	Power supply unit 12V 1A
	Quick User Manual for camera, user manual for software and camera on CD

180 OR 360 DEGREES VIEW – SIMPLE ALL AROUND. SAFE ALL AROUND.

The weatherproof and impact-resistant panoramic camera LE 990B provides for an all-round view of the entire area or room. The widescreen panorama and the quadruple presentation of all geographic directions permit entirely new applications. This model is often used for front door surveillance with 180 degree view from wall to wall. The motion detection provides for space-saving recording in H.264 format.

With an http command, the panoramic pictures or videos can be very easily integrated in websites or our LUPUSEC series, as shown above.

LUPUSNET HD LE 971

Item no.: 10971

The top-of-the-line model for FULL HD video surveillance. Top values in photo-sensitivity and image quality: The LUPUSNET HD LE 971 with up to 1920x1080 pixel at 30 frames per second meets almost every demand. Its excellent features combined with the comparably favorable pricing and the little installation effort make it an unbeatable partner for every set of requirements. Also because you can individually adjust every image parameters: shutter times, 10 WDR and sense-up levels can be set according to the available light, furthermore the threshold of the day/night shifting can be adjusted. Thus, the new Sony Exmor camera sensor shows its strengths even when it is dark. In combination with the weatherproof and impact-resistant design, it is the perfect solution for outdoor installations.

HARDWARE

CPU	Multimedia SoC
RAM	256MB
Flash	512MB
Camera sensor	1/3.2" (7.9 mm) CMOS (Sony Exmor®)
Sensitivity	0.01 Lux color, 0.005 Lux bw (IR off), 0 lux (IR on)
Resolutions	1920x1080@30fps / 1280x720@30fps/ 640x480@30fps / 320x240@30fps / 176x144@30fps
DC Iris	Yes, progressive addition lens 3-9mm Megapixel
View angle	28° ~ 103° (horizontal) 15.6° ~ 52° (vertical)
ICR	Mechanically swivel-mounted IR cut filter
LED	integrated 18 IR LED
Night vision range	15-20 m
I/O	1sensor input /1 relay output GND (Ground): Initial state is LOW DO (Digital Output): DC 5V, 15mA DI (Digital Input): Max. 50mA, DC 5V)
RS-485	No
Video Output	Via terminal block
Audio Input	Via terminal block
Audio Output	Via terminal block
Power over Ethernet (POE)	Yes, IEEE standard 802.3af
Power consumption	Via power supply unit DC 12V 500mA: 3.84W (IR off), 5.76W (IR on), Via PoE: 4.8W (IR off), 7.68W
Operating temperature	-20°C ~ 40°C
Dimensions	140mmØ x 130 mm (D)
Protection class	IP66
SD card slot	Yes, max. 32GB microSD (not included in scope of delivery)

SYSTEM

Camera name	max. 22 characters
LED status light in camera front	Activatable/deactivatable
Languages	English, German, French, Italian, Spanish, Russian, Chinese, Chinese (traditional), Portuguese, Polish, Japanese
OSD settings	Time stamp on/off, dynamic text view
Time settings	Date format, time zone, NTP server, sync with PC, manual
User management	Anonymous login on/off, add user, list of users
Admin functions	Firmware update, restart, factory settings, import and export of configurations

NETWORK

Network protocols	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Ethernet connection	yes, 10/100 Base-T
Wireless	No
Security (WLAN)	-

IP settings	Via separate IP finder, on web server (DHCP / static), IPv6 support (DHCP), port selection (HTTP & HTTPS), UPnP (port forwarding / HTTPS / RTSP), RTSP server (encryption / start port / end port), Multicast Streaming (2 streams), ONVIF (v.2.10/v1.02, v.1.01, off, Security, RTSP), Bonjour, Link Layer Topology Discovery (LLTD)
PPPoE	PPPoE user name and password, e-mailing upon login
DDNS	On / off, provider: lupus-ddns.org, dyndns.org, ddns.camddns.com, ddns.ipddn.com, 3322.org, no-ip.org, IPTECNO DDNS
HTTPS	Request/show certificate, connection settings (HTTP/HTTPS, both)
SNMP	Simple Network Management Protocol (IPX Novell / NetWare, AppleTalk), versions: SNMPv1, SNMPv2c, SNMPv3 (SNMPv1/v2c Trap)
IP Filtering	Permit/deny access by max. 10 IPv4 adresses
QoS/DSCP	Quality of Service / Differentiated Services
IEEE 802.1x	Authentification and authorization, CA certificate / Client certificate / Client Private Key
Server settings	E-mailing (TLS / SSL) with JPG image, FTP upload (port / path), SAMBA (network storage) in JPG image or max. 15 seconds AVI video

A/V SETTINGS

Image settings	Private zone masking (max. 3 areas), image settings (brightness, contrast, Hue, saturation, focus, AGC, shutter time, Sens-Up, D-WDR, video alignment (rotate/mirror), day/night shift (light sensor, time, day, night, DI input), IR on/off, white balance, 3D / 2D noise suppression
Video settings	Video system (PAL/NTSC), TV-Output (PAL/NTSC/AUTO), stream 1 und 2: resolution, profile, video quality, bit rate, frame rate, GOP size, video format (H.264/JPEG), RTSP path, 3GPP mode
Audio	From IP camera to PC (activate/deactivate), audio type: G.711 (64Kbit), G.726 (24Kbit), G.726 (32Kbit), volume adjustment (microphone input/speaker output)
Live image functions	Image size (1/2, x1, x2), streaming selection (1, 2), audio chat (on, off), relay switch output (on, off), functions in context menu (snapshot, local shot on/off, silent mode, full screen, digital zoom 0-400%, frame buffer)

EVENT SETTINGS

Motion detection	3 areas with 10 degrees of sensitivity each
Action upon motion	E-mail (with image or 15 seconds video enclosed), FTP (upload of image or 15 seconds video), save on SD card (image or 15 seconds video), activate relay switch contact, SAMBA (upload of image or 15 seconds video), send HTTP command (e.g. to send Text message, 3 areas selectable
Pre-/post-alarm	Pre-alarm 0 - 5 seconds, post-alarm 0 - 10 seconds
Backup	In case of network failures, recordings are made to the SD card
IP check	Checks the internet connection, in case of failure, storage to SD card
Schedule	Table (Mon-Sun, 0-24)
Snapshot	activate /deactivate, interval 1 - 50000 seconds, select file name, overwrite function for FTP upload on/off
Save snapshots in/on	E-mail account, FTP, SD card, Samba
I/O settings	Sensor input (5V NOC / NCC), N.O./N.C. selectable, e-mailing, intervall 10-60 seconds, schedule
Action upon sensor input	E-mail (with image or 15 seconds video enclosed), FTP (image or 15 seconds video upload), activate relay switch output, save on SD card (image or max. 15 seconds video), SAMBA (image or 15 seconds video upload), send HTTP command (e.g. to send Text message, 3 areas selectable)
Relay switch contact	Modes: On/Off switch, timer (1-60 seconds)
Log list	System log, motion detection log, I/O log, all logs
SD card	Show files, automatic deletion
Software / NVR / NAS support	Alnet, Artec, go1984, QNAP, Synology, Aver, Logilink, Geovision, Milestone (and any others supporting the ONVIF 2.10 protocol)

LUPUSNET HD LE 902

Item no.: 10902

€ | PTZ | H.264 | MPEG4 | @ | IP

Smooth integration of analog cameras in your IP network can be realized even simpler and more professional with the new LUPUSNET HD LE 902 server. Two integration options are available with the wireless network connection WLAN and the cable connection via Ethernet for trouble-free installation. Latest network technologies as well as the powerful H.264 compression, 3GPP live streaming, and FTP upload functions make the LUPUSNET HD LE 902 a strong partner for every network. Furthermore, an SD card slot as well as alarm inputs and out-puts, an RS485 port to control PTZ cameras as well as various motion detection functions are available. And the LUPUSNET HD recording software (Lite) is of course included in the scope of delivery.

HARDWARE

CPU	ARM, 9, 32 bit RISC
RAM	256MB
Flash	16MB
Camera sensor	not available
Sensitivity	not available
Replaceable lens	No
Supports DC Iris	No
ICR	not available
LED	not available
Night vision range	not available
I/O	Yes, 2 sensor inputs / 2 sensor outputs
RS-485	Yes
Video output	No
Audio input	1
Audio output	1
Power over Ethernet (POE)	No
Power consumption	LAN: DC 12V 450mA
Operating temperature	0°C ~ 40°C
Dimensions	131.2mm Ø x 94.3 mm (H)
Weight	300 g

NETWORK

Network protocol	HTTP, TCP/ IP, UDP, SMTP, FTP, RTSP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP
Ethernet + WLAN	10/100 Base-T + 2,4 Ghz
Wireless	Yes, 2.4 Ghz
Security	WEP, WPA-PSK, WPA2-PSK

SYSTEM

Image adaptation	720x576, 704x576, 352x288, 176x144
Video adaptation	Brightness, contrast, focus, BLC, night mode
Triple Streaming	Yes
Screenshots	Yes
Full screen	Yes
Privacy Mask	Yes, in 3 different areas
Compression format	H.264/ M-JPEG/ MPEG4 (3GPP only)
Video bit rate adaptation	CBR, VBR
Motion detection	Yes, in 3 different areas
Action triggered	E-mail, FTP, save on SD card, relay output
Pre-/post-alarm	Yes, configurable
Security	Password-protected
Firmware upgrade	HTTP mode, upgrade possible via remote maintenance
Multiple user access	Yes, up to 10 users have simultaneous access
Audio	-
Recording triggered by	Motion detection, check of IP, network failure (only with LAN cable), schedule, relay output
Video format	AVI, JPEG
View recording	Yes
Delete data from SD	Yes

SYSTEM REQUIREMENTS

Operating system	Windows 2000, XP, 2003, Windows 7, Microsoft IE 6.0 or newer
Hardware recommended	Intel Dual Core 1.66G, RAM: 1024MB, graphics board: 128MB
Hardware minimum	Intel-C 2,8G, RAM:512MB, graphics board: 64MB

SCOPE OF DELIVERY

	Software LUPUSNET HD Lite
	Quick User Manual for camera, user manual for software and camera on CD
	Mount included
	Power supply unit 12V 1A

RETAIL STORES AS THE OPTIMAL PLACE TO INSTALL OUR HIGH-DEFINITION IP CAMERAS

LE 914 / LE 918 / LE 926
4/8/16 CHANNEL NVR RECORDER

Item no.: 10004 / 10008 / 10016

(Mini) (@) (📱) (PTZ) (€) (H.264) (Zoom) (IP)

There have been only few efficient recording solutions to safeguard objects with IP and Megapixel cameras. Especially in the segment of NVR recorders, the price/performance ratios have been particularly unfavorable. These times are over now: LUPUS-Electronics presents the new LUPUSNET NVR recorders with 4, 8, or 16 channels, supporting resolutions of up to 1080p (Full HD) at 25 frames per second. The "Easy Plug" hard disk drive installation is particularly simple, meaning the simple plug-in of a maximum of 2 SATA HDDs. The recorder is integrated in the local network and records reliably either in a time-controlled manner or in case of motion detection or alarm. Live images and recordings of several recorders can be monitored and further processed with the included CMS software on a computer. Live access is possible via the software, a web server, or a mobile phone. The device records of course in the space-saving H.264 format.

SYSTEM

NVR mode	Multiplex
Max. no. of IP cameras	4 channels (LE 914)/8 channels (LE 918)/16 channels (LE 926)
Supported camera resolutions	5MP, 3MP, and 1080p (1920 x 1080 pixel)
Max. display and recording rate	Max. 25FPS (PAL), 30FPS (NTSC) per channel
Display split screens	1.4 (LE 914) / 1,4,9 (LE 918) / 1,4,9,16 (LE 926)
Video output	1 x HDMI (max. 1920 x 1080 pixel), 1 x VGA (max. 1280 x 1024 pixel)
CPU	Dual-Core
OS	Embedded Linux
Compression	H.264, MJPG
Recording rate	200Mbps, 48~8192kpps
Recording modes	Manual, time-controlled, alarm, video loss

VIDEO RECOGNITION AND ALARM

Alarm actions	Recording, PTZ, guard round, alarm, push video, e-mail, FTP, buzzer & on-screen messages
Alarm inputs	4
Alarm outputs	2

NETWORK

Port	1 RJ-45 port (10/100/1000Mbps)
Protocol	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP filter, PPPOE, DDNS, FTP, alarm server, LUPUSNETHD search)
Max. no. of users	128
Mobile access via	iPhone, iPad, Android, or Windows Phone (LUPUS APP)

STORAGE AND DATA BACKUP

Internal memory	max. 2 SATA HDD with max. 8TB each (raid support)

EXTERNAL CONNECTIONS

Network port	1 RJ-45 port (10/100/1000Mbps)
USB	2 x (USB 3.0 at back, USB 2.0 at front)
RS-232	Yes, for PC communication and a keyboard
RS-485	Yes, for PTZ control

OTHER

Power supply	12V/4A
Power consumption	approx. 20W (without HDD)
Dimensions	375mm x 285mm x 50mm
Operating temperature	-10 - 55°C
Weight	2 kg (without HDD)

LE 927 32 CHANNEL NVR CUBE

Item no.: 10032

(Mini) (@) (📱) (PTZ) (€) (H.264) (Zoom) (IP)

The new LUPUSTEC LE 927 NVR Cube enables the administration and recording of up to 32 2MP IP cameras. To be able to handle the accruing data amount, we equipped the LUPUSTEC LE 927 NVR Cube with the latest multi-processor technology. The recorder is furthermore equipped with a Gigabit network interface to process the load of the maximal 32 Megapixel camers without any problems. The new LUPUS SmartVision is the central administration software, enabling not only functions like recording upon motion detection, alarm, time-controlled or manual, but also most modern operating functions like touch monitor support, drag & drop and the individual creation and shifting of windows. The LUPUS SmartVision software provides for the integration of all new LUPUS NVR and HD-SDI recorders.

SYSTEM

NVR mode	Multiplex
Max. no. of IP cameras	32 channels (LE 927)
Supported camera resolutions	5MP, 3MP, and 1080p (1920 x 1080 pixel)
Max. display and recording rate	Max. 25FPS (PAL), 30FPS (NTSC) per channel
Display split screens	1/4/8/9/16/25/36
Video output	2 x HDMI, 1 x VGA, 1 x TV with max. 1920x1080 pixel
CPU	Dual-Core
OS	Embedded Linux
Compression	H.264, MJPG
Recording rate	192Mbps, 48~8192kpps
Recording modes	Manual, time-controlled, alarm, video loss

VIDEO RECOGNITION AND ALARM

Alarm actions	Recording, PTZ, guard round, alarm, push video, e-mail, FTP, buzzer & on-screen messages
Alarm inputs	4
Alarm outputs	2

NETWORK

Port	1 RJ-45 port (10/100/1000Mbps)
Protocol	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP filter, PPPOE, DDNS, FTP, alarm server, LUPUSNETHD search)
Max. no. of users	128
Mobile access via	iPhone, iPad, Android, or Windows Phone (LUPUS APP)

STORAGE AND DATA BACKUP

Internal memory	max. 16 SATA HDD max. 64TB (raid 0/1/5/6/10 support)

EXTERNAL CONNECTIONS

Network port	1 RJ-45 port (10/100/1000Mbps)
USB	2 x (USB 3.0 at back, USB 2.0 at front)
RS-232	Yes, for PC communication and a keyboard
RS-485	Yes, for PTZ control

OTHER

Power supply	AC 100V~240V, 50/60 Hz
Power consumption	approx. 75W (without HDD)
Dimensions	3HE, 448mm×490mm×133mm
Operating temperature	-10°C~+55°C / 10%~90%RH / 86~106kpa
Weight	10.5 kg~11.5 kg (without HDD)

LUPUSNET HD

Security over IP

LUPUSNET HD SOFTWARE

Item no.: 10999

(PTZ) (H.264) (MPEG4) (@) (📱) (IP)

A technically advanced hardware needs a particular professional software. We therefore supply our LUPUSNET HD cameras with a program that leaves nothing to be desired. An e-mail or an external alarm realiably informs you about univited guests. False alarms are reduced to a minimum by the extremely precise motion detection. In addition, we supply a Remote Management System to access all your branch offices in parallel with 2 monitors per computer via the internet from a central location. The software allows for the integration of a maximum of 36 Megapixel IP cameras. You keep track of 64 cameras maximum per monitor on large-format screens with wide-screen resolutions of max. 1920x1080 pixel. High-tech protection in the 21st century!

» Supports max. 36 LUPUSNET HD cameras
» Full HD dual monitor support with 1080p each
» H.264, MPEG4, MJPEG compression
» 3 different recording modes
» Video search by date
» Data backup in AVI or JPG
» Video and audio recordings
» PTZ control, digital zoom, E-maps
» FTP upload also to represent images on websites
» Audio broadcast

VIDEO MONITORING

Connectable cameras	36 channels
Split screens per monitor	1, 4, 9, 16, 36, 64
Switch channels	Yes
Channel relaying	Yes
Full screen	Yes
Supported compression formats	H.264, MPEG-4, MJPEG
Supported devices	LUPUSNET HD IP cameras and video server, Axis, Sony
PTZ control	Yes
Digital zoom control	Yes
Remote access	Internet Explorer 6 or higher, remote Ppogram, 3GPP telephone

PLAYBACK

|	
Video search	Calendar, month, day, time
SmartSearch	Yes
Digital zoom	Yes
Simultaneous play-back	4 cameras

VIDEO SETTINGS

Recording modes	Permanent, incase of motion, in case of alarm, according to a list, manual
Recording resolutions	MegaPixel, Full D1, CIF, QCIF
Video quality settings	best, high, standard, medium, low
Pre- and post-alarm recording	Yes
Ringspeicherfunktion	Yes
E-mailing	Yes, triggered by motion and alarm
E-mailing with image enclosed	Yes

EQUIPMENT CONFIGURATION

Automatic search for camera in network	Yes
Channel configuration	Yes, via Drag&Drop
Import / export configuration	Yes
Event logbook	Yes
NTP time server sync	Yes
Video overlay	Yes
Automatic window control	Yes

SECURITY

Password protection	Yes, user name and password
User access	Via groups
Configurable access assignment	Yes

SYSTEM REQUIREMENTS

Minimal system requirements	CPU:Intel Pentium 4 2.OG RAM: 1GB Graphics board: 128 MB graphics board or better Monitor resolution: 1024x768 pixel File system: NTFS
Recommended system requirements	CPU: Intel Core 2 Quad Q6600 or newer RAM: 2GB Graphics board: 256 MB external graphics board or better Monitor resolution: 1920x1080 pixel (1080p) File system: NTFS

Included for free with every new Lupus IP camera
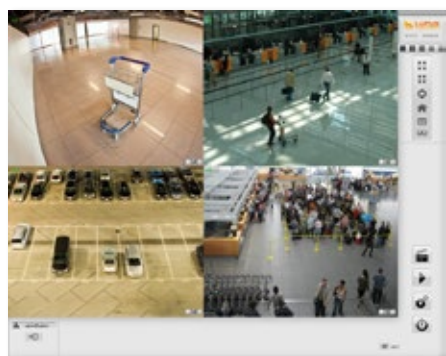
The clearly structured user interface and the large number of professional components and functions make the LUPUSNET HD software compatible with extremely versatile applications. A high-quality recording tool to be installed on nearly any up-to-date computer system that can process up to 32 cameras in the Lite version and up to 72 cameras (NVR cube) in the Pro version.

LUPUS-ELECTRONICS
LUPUSCAM HD SERIES

LE 128
Item no.: *10059*

The LUPUSCAM HD LE 128 is the all-rounder of the LUPUSCAM HD series. It is well prepared to be installed outdoors because of its stable, weatherproof housing and delivery crystal clear HD images by day and by night. You can of course install the camera also indoors, where it provides for high-definition surveillance 24/7 - whether in commercial or gastronomy surroundings or in retail shops or in private spaces. That is the LUPUSCAM HD LE 128: Video security in cinema quality.

VIDEO	
Camera sensor	1/3" (8.5mm) 3.0 megapixel progressive scan CMOS (effective pixel 2052x1536)
Output resolutions	1920x1080 pixel bei 25FPS / 1280x720 pixel bei 50FPS
TV standards	FullHD, HD ready
Minimal lighting conditions	0.1 LUX/F1.4 (color), 0.01 LUX/F1.4 (bw); 0 LUX (IR on)
S/N ratio	over 50dB
Gain control	Auto
White balance	Auto
Electronic shutter	Auto/manual, 1/3~1/10,000s
Day/night	ICR
Lens type	3.6 mm fixed lens / F2.0
View angle	approx. 92°
White balance	Automatic
Gain control	Automatic
HD SDI video output	1 channel HD-SDI high-definition video (SMPTE 274/292 standard)
Video line	1 Vp - p / 75 Ohm
LED	28 IR LEDs
LED wavelength	850 nm
Max. illumination range	max. 20 meters
Protection class	IP66
Power supply	DC12V
Power consumption	3W (6W IR on)
Operating temperature	-10°C to 60°C
Dimensions	60 Ø mm x 160 mm
Weight	0.5 kg

SCOPE OF DELIVERY	
	Sunshade (pre-assembled)
	User manual
	Power supply unit included in scope of delivery
	Ceiling/wall mount included in scope of delivery (pre-assembled)
	Screw kit with dowels

HDSDI TO HDMI CONVERTER
Item no.: *10056*

» Enables the direct connection of an HD SDI camera to a TV or monitor
» max. 1920x1080 pixel (Full HD)

LUPUSCAM HD. This is professional video security in cinema quality. This is uncompressed, high-definition video very simple, plug-and-play via the coaxial cable well-known from analog technology. The applied HD SDI (High-Definition Serial Digital Interface) technology originates from the field of film and TV studios, where crystal clear, high-definition video quality is an understood requirement in today's productions.

LUPUS-Electronics presents the newly developed series of CCTV solutions, which make this technology applicable for video surveillance. The camera sensors of the LUPUSCAM HD cameras are of course as advanced and are characterized by great photosensitivity, large depth of field, and great durability. To process and store this high image quality, we provide our LUPUSCAM HD recorders with 4, 8, or 16 channels, which record 1080p HD video in real-time and make it available through a network via PC, tablet, or smartphone. That is LUPUSCAM HD: Video security in cinema quality!

LE 120
Item no.: 10050

The LUPUSCAM HD LE 120 is the LUPUSCAM HD camera in the classical box format. Its innovative camera sensor is characterized by **great photosensitivity, large depth of field, and great durability.** A great selection of C/CS compatible Megapixel lenses with automatic iris control is available for the LUPUSCAM HD series. For indoor and outdoor applications, commercial or private, for license plate recognition or identification of persons: The LUPUSCAM HD LE 120 is the ideal camera for every surveillance situation.

VIDEO	
Camera sensor	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
Native image resolution	3 megapixel to 1920H × 1080V
Resolution and frame rate	720p @ 50FPS / 720p @ 60FPS / 720p @ 25FPS / 720p @ 30FPS 1080p @ 50FPS / 1080p @ 60FPS / 1080p @ 25FPS / 1080p @ 30FPS
Minimal lighting conditions (color)	0.1 Lux @F1.2 color mode
Electronic shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000

LENS	
Type	No lens included
Focal length	-
Aspect ratio	16:9
Lens control	Auto / manual

DAY/NIGHT	
Electromechanical IR swivel-mounted filter	Yes
Day & night	Auto / day / night / external
Infrared LEDs	None
Infrared range	None
Infrared wavelength	-
Light transistor	Yes

FUNCTIONS	
OSD	Yes
Language	English
Wide Dynamic Range (WDR)	On/off
Digital noise suppression	On/off
White balance	Auto / indoor / outdoor / manual / Push Auto
Gain control	Auto
Back Light Compensation (BLC)	On/off
Anti-flicker mode	On/off
Mirror	On/off
Freeze	On/off
Positive/negative	On/off
Private zone masking	On/off
Camera name	Yes
Views	CRT / LCD / User

GENERAL	
Vandal-proof	No
Weatherproof	No
I/O interface	RS485/422, D/I, D/O
Remote controlled via	Pelco D / P
Baud rate	9600
Video output	HD-SDI (BNC)
Dimensions	150 x 60 x 48 mm
Power supply	DC12V
Power of recording	750mA
Operating temperature	0°C to +50°C

LE 121
Item no.: 10053

The camera sensors of the outdoor dome camera LUPUSCAM HD LE 121 are as advanced and are characterized by **great photosensitivity, large depth of field, and great durability.** The weatherproof, vandal-proof housing make the LUPUSCAM HD LE 121 interesting for applications outdoors, in car parks, and stairways as well as at any place where you cannot do without high-definition images despite adverse conditions. That is the LUPUSCAM HD LE 121: Video security in cinema quality!

VIDEO	
Camera sensor	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
Native image resolution	3 megapixel to 1920H × 1080V
Resolution and frame rate	720p @ 50FPS / 720p @ 60FPS / 720p @ 25FPS / 720p @ 30FPS 1080p @ 50FPS / 1080p @ 60FPS / 1080p @ 25FPS / 1080p @ 30FPS
Minimal lighting conditions (color)	0.1 Lux @F1.2 color mode
Electronic shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000

LENS	
Type	VF/VR: Vario-Focal 2.8~10mm / F1.2
Focal length	Wide: 95.7x69.8, Tele: 28.8x21.7
Aspect ratio	16:9
Lens control	Auto / manual

DAY/NIGHT	
Electromechanical IR swivel-mounted filter	Yes
Day & night	Auto / day / night / external
Infrared LEDs	24 LEDs
Infrared range	max. 20 meters
Infrared wavelength	850 nm
Light transistor	Yes

FUNCTIONS	
OSD	Yes
Language	English
Wide Dynamic Range (WDR)	On/off
Digital noise suppression	On/off
White balance	Auto / indoor / outdoor / manual / Push Auto
Gain control	Auto
Back Light Compensation (BLC)	On/off
Anti-flicker mode	On/off
Mirror	On/off
Freeze	On/off
Positive/negative	On/off
Private zone masking	On/off
Camera name	Yes
Views	CRT / LCD / User

GENERAL	
Vandal-proof	Yes
Weatherproof	Yes
I/O interface	RS485/422, D/I, D/O
Remote controlled via	Pelco D / P
Baud rate	9600
Video output	HD-SDI (BNC)
Dimensions	Ø 145mm x 109mm
Power supply	DC12V
Power of recording	750mA
Operating temperature	-10°C to +50°C

LE 122
Item no.: 10054

The LUPUSCAM HD LE 122 indoor dome camera was especially designed for indoor areas. Its appearance is extremely decent due to the neutral design of its housing and assimilates elegantly and unconspicuously into its surroundings. It unfolds its strengths on the one hand in commercial surroundings like retail shops, cinema and event gastronomy or in restaurants, night life or hotel locations. On the other hand, the LUPUSCAM HD LE 122 provides for perfect security on private premises and delivers high-definition surveillance at any time day and night. Its innovative camera sensor is characterized by **great photosensitivity, large depth of field, and great durability. That** is the LUPUSCAM HD LE 122. Video security in cinema quality.

VIDEO	
Camera sensor	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
Native image resolution	3 Megapixel auf 1920H × 1080V
Resolution and frame rate	720p @ 50FPS / 720p @ 60FPS / 720p @ 25FPS / 720p @ 30FPS 1080p @ 50FPS / 1080p @ 60FPS / 1080p @ 25FPS / 1080p @ 30FPS
Minimal lighting conditions (color)	0.1 Lux @F1.2 color mode
Electronic shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000

LENS	
Type	VF/VR: Vario-Focal 2.8~10mm / F1.2
Focal length	Wide: 95.7x69.8, Tele: 28.8x21.7
Aspect ratio	16:9
Lens control	Auto / manual

DAY/NIGHT	
Electromechanical IR swivel-mounted filter	Yes
Day & night	Auto / day / night / external
Infrared LEDs	24 LEDs
Infrared range	max. 20 meters
Infrared wavelength	850 nm
Light transistor	Yes

FUNCTIONS	
OSD	Yes
Language	English
Wide Dynamic Range (WDR)	On/off
Digital noise suppression	On/off
White balance	Auto / indoor / outdoor / manual / Push Auto
Gain control	Auto
Back Light Compensation (BLC)	On/off
Anti-flicker mode	On/off
Mirror	On/off
Freeze	On/off
Positive/negative	On/off
Private zone masking	On/off
Camera name	Yes
Views	CRT / LCD / User

GENERAL	
Vandal-proof	No
Weatherproof	No
I/O interface	RS485/422, D/I, D/O
Remote controlled via	Pelco D / P
Baud rate	9600
Video output	HD-SDI (BNC)
Dimensions	Ø 128 x 89mm
Power supply	DC12V
Power of recording	750 mA
Operating temperature	0°C to +50°C

LE 129
Item no.: 10061

The LUPUSCAM HD LE 129 is perfectly suited for outdoor operations due to its extremely stable and weatherproof housing and delivers crystal clear images by day and by night. It unfolds its strengths on the one hand in commercial surroundings like retail shops, cinema and event gastronomy or in restaurants, night life or hotel locations. On the other hand, the LUPUSCAM HD LE 129 provides for perfect security on private premises and delivers high-definition surveillance at any time day and night. Its innovative camera sensor is characterized by **great photosensitivity, large depth of field, and great durability. That** is the LUPUSCAM HD LE 129. Video security in cinema quality.

VIDEO	
Camera sensor	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
Native image resolution	3 megapixel auf 1920H × 1080V
Resolution and frame rate	720p @ 50FPS / 720p @ 60FPS / 720p @ 25FPS / 720p @ 30FPS 1080p @ 50FPS / 1080p @ 60FPS / 1080p @ 25FPS / 1080p @ 30FPS
Minimal lighting conditions (color)	0.1 Lux @F1.2 color mode
Electronic shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000

LENS	
Type	VF/VR: Varo-Focal 2.8~10mm / F1.2
Focal length	Wide: 95.7x69.8, Tele: 28.8x21.7
Aspect ratio	16:9
Lens control	Auto / manual

DAY/NIGHT	
Electromechanical IR swivel-mounted filter	Yes
Day & night	Auto / day / night / external
Infrared LEDs	24 LEDs
Infrared range	max. 20 meters
Infrared wavelength	850 nm
Light transistor	Yes

FUNCTIONS	
OSD	No (pre-set)
Language	English
Wide Dynamic Range (WDR)	On
Digital noise suppression	On
White balance	Auto
Gain control	Auto
Back Light Compensation (BLC)	On
Anti-flicker mode	On
Mirror	Off
Freeze	Off
Positive/negative	Off
Private zone masking	Off
Camera name	not available
Views	LCD

GENERAL	
Vandal-proof	No
Weatherproof	Yes
I/O interface	–
Remote controlled via	–
Baud rate	–
Video output	HD-SDI (BNC)
Dimensions	Ø 83mm x 109mm
Power supply	DC12V
Power of recording	750 mA
Operating temperature	0°C to +50°C

LE 125

Item no.: 10057

Mini @ 🔋 PTZ € H.264 Zoom IP

To process and store this high image quality, our LUPUSCAM HD recorder LE 125 with 4 channels is available, to record 1080p HD video in real-time and deliver it through a network via PC, tablet computer, or smartphone. That is LUPUSCAM HD: Video security in cinema quality!

SYSTEM	
Main processor	Dual-core embedded CPU
Operating system	Embedded LINUX

VIDEO	
Inputs	4 Kanäle, BNC
TV standard	1080P(25/30) / 720P(25/30,50/60)

AUDIO	
Inputs	4 channels, BNC
Outputs	1 channel, BNC
Two-way talk	1 channel input, 1 channel output, BNC

DISPLAY	
Interface	1 HDMI, 1 VGA, 1 TV, BNC
Resolutions	1920×1080, 1280×1024, 1280×720, 1024×768
Split screens	1/4
Private zone masking	4 square areas (each camera)

RECORDING	
Video/Audio	H.264 / G.711
Image resolutions	1080P(1920×1080), 720P(1280×720) D1(704×576 / 704×480), CIF(352×288 / 352×240)
Recording rate	Primary stream (100FPS @ 1080p), secondary stream (D1/CIF @ 25FPS
Bit rate	256~8096Kb/s
Recording modes	Manual, schedule (normal, non-stop, MD, alarm), stop
Recording intervals	1~120 min (default: 60 min), pre-alarm recording: 1~30 sec, post-alarm recording: 10~300 sec

VIDEO RECOGNITION AND ALARM	
Upon motion detection	Recording, PTZ, tour, alarm, push video, e-mail, FTP, spot, buzzer & Bon-screen messages
Recognition	396 zones (22 x 18), video loss
Alarm inputs	4
Relay output	1

PLAYBACK AND BACKUP	
Sync. playback	1/2/4
Search modes	Time/date, alarm, MD & exact search (to the split second), intelligent search
Storage modes	USB device / network

NETWORK	
Ethernet	RJ-45 port (10/100M/1000M)
Network functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server
Max. user access	20 Benutzer
Smartphone	iPhone, iPad, Android, Windows Phone

STORAGE	
Internal HDD	2 SATA ports, up to 8TB
External HDD	1 eSATA port (max 4 SATA HDDs), up to zu 16TB

GENERAL	
Power supply	12V
Operating temperature	0 - 45°C
Dimensions (W×H×T)	37.5 x 5.6 x 30 cm
Weight	1.92KG (Ohne Festplatte)

LE 126 / LE 127

Item no.: 10058 / 10060

Mini @ 🔋 PTZ € H.264 Zoom IP

To process and store this high image quality, our LUPUSCAM HD recorders LE 126 and LE 127 with 8 or 16 channels respectively are available, to record 1080p HD video in real-time and deliver it through a network via PC, tablet computer, or smartphone. That is LUPUSCAM HD: Video security in cinema quality!

SYSTEM	
Main processor	Dual-core embedded CPU
Operating system	Embedded LINUX

VIDEO	
Inputs	8 channels, BNC (LE 126), 16 channels, BNC (LE 127)
TV standard	1080P(25/30) / 720P(25/30,50/60)

AUDIO	
Inputs	8 channels, BNC (LE 126), 16 channels, BNC (LE 127)
Outputs	1 channel, BNC (LE 126), 16 channels, BNC (LE 127)
Two-way talk	1 channel input, 1 channel output,, BNC

DISPLAY	
Interface	1 HDMI, 1 VGA, 1 TV, BNC
Resolutions	1920×1080, 1280×1024, 1280×720, 1024×768
Split screens	1/4/8/9 (LE 126), 1/4/8/9/16 (LE 127)
Private zone masking	4 square areas (each camera)

RECORDING	
Video/Audio	H.264 / G.711
Image resolutions	1080P(1920×1080), 720P(1280×720) D1(704×576 / 704×480), CIF(352×288 / 352×240)
Recording rate	Primary stream (200FPS @ 1080p), Secondary stream (D1/CIF @ 25FPS
Bit rate	256~8096Kb/s
Recording modes	Manual, schedule (normal, non-stop, MD, alarm), stop
Recording intervals	1~120 min (default: 60 min), pre-alarm recording: 1~30 sec, post-alarm recording: 10~300 sec

VIDEO RECOGNITION AND ALARM	
Upon motion detection	Recording, PTZ, tour, alarm, push video, e-mail, FTP, spot, buzzer & Bon-screen messages
Recognition	396 zones (22 x 18), video loss
Alarm inputs	8 (LE 126), 16 (LE 127)
Relay output	6

PLAYBACK AND BACKUP	
Sync. playback	1/2/4
Search modes	Time/date, alarm, MD & exact search (to the split second), intelligent search
Storage modes	USB device / network

NETWORK	
Ethernet	RJ-45 port (10/100M/1000M)
Network functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server
Max. user access	20 Benutzer
Smartphone	iPhone, iPad, Android, Windows Phone

STORAGE	
Internal HDD	8 SATA ports (8HDDs or 6HDDs+1CD/DVD-RW), up to 32TB
External HDD	1 eSATA port (max 4 SATA HDDs), up to 16TB

GENERAL	
Power supply	12V
Operating temperatureen	0 - 45°C
Dimensions (W×H×T)	44 x 9 x 46.5 cm (LE 126), 44 x 46 x 9,2 (LE 127)
Weight	7.18 KG (without hard disk) (LE 126), 7.66KG (without hard disk) (LE 127)

LUPUS ELECTRONICS LUPUSCAM SERIES

Video surveillance becomes more and more important for public as well as private areas. Not only protects it against burglary and vandalism at night, but it also provides for your own security during the day. Surveillance cameras deliver conclusive images to help identify offenders. Such camera images already have considerably helped to solve crimes in many cases. This is possible because of video surveillance technologies, which are constantly improved.

The LUPUSCAM video surveillance series integrates up-to-date technologies providing for clear and focused pictures, regardless of the respective lighting conditions. You can only hardly recognize anything on pictures delivered by customary cameras. The intelligent back light compensation of the LUPUSCAM series automatically shades heavy light, if necessary, and enlightens dark areas, so that you can actually recognize something on the pictures. Even in bad lighting conditions of up to 0.1 Lux, this technology outperforms the human eye and still delivers conclusive images. The Hyper Dynamic technology is able to balance even extreme differences.

CCTV cameras with up-to-date security technology can be applied indoors and outdoors. The LUPUSCAM series is very flexible in this regard. Different lenses are available for all camera models and different housings for outdoor cameras, so that the security concept can be matched to the respective requirements of the area to be put under surveillance. Some models of the LUPUSCAM CCTV series are furthermore equipped with motion detectors or integrated microphones. In access control applications, mini cameras like the LUPUSCAM LE 413 can ensure discreet video surveillance. Cameras with back light compensation and Hyper Dynamic are able to recognize fast moving objects like moving cars even in difficult lighting conditions. They are therefore suited for license plate recognition and ideal for applications at gas stations or parking lots.

LE 413B

Item no.: *10025*

(Mini) (€)

There are security concepts requiring the application of highly professional and at the same time particularly discreet CCTV systems. This is where our surveillance camera LE 413B is installed and unfolds its strengths, the diminutive dimensions and crystal clear colored pictures, e.g. integrated in modern access control applications. The integrated chip in the surveillance camera delivers a very good image quality despite the camera's diminutive dimensions.

TECHNICAL DATA	
Camera sensor	1/3 inch 6.35mm color Hi-Res. CCD
Horizontal resolution	600 TVL
Photosensitivity	0.1 Lux (F1.2)
Back light compensation (BLC)	Yes
Automatic repeater control (AGC)	Yes
Lens type	3.6 mm lens (F2.0)
Automatic white balance	Yes
Dimensions	35x35x34mm
Votlage/performance	12V DC, max. 75 mA
Certification	CE EMC, FCC CLASS A, RoHs

SCOPE OF DELIVERY	
	Power supply unit

LE 100

Item no.: 10000

(supplied without lens)

Our high-end camera LE 100 from the LUPUSCAM series is equipped with the Sony® Super HAD II WD CCD chip and the Sony® EFFIO-P™ platform. Our flagship delivers crystal clear colored images with up to 700 TV lines a resolution of 976x582 pixel in lighting conditions of up to 0.01 Lux. The camera is able to transmit crystal clear black and white images even at 0.003 Lux. If this is not sufficient, the DSS function extends the exposure time, which makes it possible to deliver clear images even at up to 0.0003 Lux.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) Sony Super HAD II Double-Density WD CCD
Image resolution	976x582 (PAL)
Horizontal resolution	650 TVL (Sony EFFIO-P™ platform)
Minimal lighting conditions	0.01 Lux (day mode), 0.003 Lux (night mode), 0.0003 Lux (DSS) / F1.2
Extended back light compensation (BLC)	On/off (areas and intensity adjustable)
WDR	Advanced Wide Dynamic Range II functions
Day/night adjustment	mechanical IR cut filter (AE / day / night / EXT)
Electronic shutter	1/50 ~ 1/100.000
Gamma level	0,45
Contrast rate	400:01:00
Gain control	Auto / manual
Wide Dynamic Range	On/off / Auto
S/N level	more than 50dB
Digital noise suppression	Low / medium / high
OSD Language	English
Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256 FLD
Flickerless mode	On/off (1/120)
Motion detection	24x16 recognition blocks
Alarm	1 Output
Private zone masking	15 areas (size adjustable)
Automatic repeater control (AGC)	Yes
Lens type	C/CS compatible (lens not included in scope of delivery)
View angle	approx. 92°
White balance	Auto / indoor / outdoor / manual / Auto
Digital zoom	16x
Set camera ID and camera name	Yes
Mirror function	horizontal and vertical
Pause	On/off
Digital image processing (DSP)	Yes
Fits C/CS-mount lenses	Video and DC (see page 7)
OSD (not the zoom) remote-controlled by RS485 (Pelco D&P)	Yes
Infrared LEDs	None
LED night vision range	None
Dimensions	114x54x56mm (L)x(W)x(H) without lens
Protection class	-
Power supply	DC12V
Power consumption	IR on: 315mA, IR off: 95mA max.
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	Lens NOT included in scope of delivery
	User manual
	Power supply unit
	Ceiling/wall mount
	Screw kit with dowels

LE 116

Item no.: 10012

(supplied without lens)

UPDATE

Our surveillance camera LE 116 from the LUPUSCAM series is equipped with the Sony® Super HAD II CCD and the Sony EFFIO-E™ platform with Hyper Dynamic Range function. In addition, our engineers gave this top-of-the-line model a very high resolution of 540 TV lines, resulting in incredibly clear images by day and by night. The extreme photosensitivity of the new chip facilitates clear images even in almost total darkness. The Federal Inspection Agency in Hamburg also convinced itself of the excellent quality and assigned the BGV POS certification to this CCTV product. With regard to the adjustment of claims by insurance companies, you are absolutely safe because of this certification.

TECHNICAL DATA

Camera sensor	1/3'' 8,5mm Sony® Super HAD II CCD
Horizontal resolution	540TVL
Photosensitivity	0.1 Lux (F1.2)
Extended back light compensation (BLC)	Yes
WDR	Advanced Hyper Dynamic Range functions
Contrast rate	400:1
Automatic change to b/w operation	at below 1.0 Lux
Automatic repeater control (AGC)	Yes
Lens type	Fits C/CS-mount lenses (lens not included in scope of delivery)
Automatic white balance	2500K ~ 9500K
Ports	DC/video auto-iris connector
Digital image processing (DSP)	EFFIO-E™
Dimensions	114x54x56 (L)x(W)x(H) without lens
Voltage/performance	12V DC, max. 3.5W
Certifications	CE EMC, FCC CLASS A, RoHs
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	Lens NOT included in scope of delivery
	Power supply unit
	Ceiling/wall mount

LE 416

Item no.: 10024

Mini € ⬤

As our customers often requested a neutral and robust camera model of high quality for outdoor installations, we developed the LE 416. The weatherproof housing facilitates the unrestricted outdoor application. E.g. property zones, driveways, and front doors can be secured with the LE 416, but also observations ob flora and fauna performed.

TECHNICAL DATA	
Camera sensor	1/3 Zoll 8.5mm Sony Super HAD Color CCD
Horizontal resolution	420TVL
Photosensitivity	0.4 Lux (F2.0)
Wetterfest	Yes
Back light compensation	Yes
Automatic repeater control (AGC)	Yes
Lens type	3.6 mm board lens
Automaticr white balance	Yes
Automatic change to b/w operation	at below 1.0 Lux
Dimensions	Ø29mm x 95mm
Voltage/performance	12V DC, max. 100mA
Certifications	CE EMC, FCC CLASS A, RoHs

SCOPE OF DELIVERY	
	Lens included
	Power supply unit
	Ceiling/wall mount

LE 851 PIR

Item no.: 10042

€

Motion detection of the other kind! The decent PIR housing houses a powerful 3.6mm needle eye lens and an integrated microphone. The CCTV camera can be activated by the motion detector or run permanently. The integrated relay turns the lights or other devices on and off as usual. For particularly discreet video surveillance.

TECHNICAL DATA	
Camera sensor	1/3 Zoll 8,5mm Sony Super HAD HQ1 Color CCD
Horizontal resolution	550TVL
Photosensitivity	0,4 Lux (F2.0)
Back light complensation (BLC)	Yes
Automatic repeater control (AGC)	Yes
Automatic white balance	Yes
Lens type	3.7mm board lens
Motion detection range	10m
Detection radius	100°(H), 45°(V)
Relay output	AC125V / 1A, DC30V / 2A
Relay alarm time	2~40 seconds adjustable
Voltage/performance	12V DC, max. 200mA
Dimensions	120x70x48mm (L)x(W)x(H)
Certifications	CE EMC, FCC CLASS A, RoHs

SCOPE OF DELIVERY	
	Power supply unit

LUPUSCAM LENSES

Item no.: see table below

LUPUS-Electronics has the right lens for you and every need.
Whether an object is right next to you or one hundred meters away - the digital eagle eyes watch their targets thoroughly.

We recommend special Megapixel lenses for our Megapixel and Effio cameras.
Calculate the required focal length for a 8.5mm image sensor according to the following formula:

Distance to object in meters x 4.8 / object width in meters = mm of lens

Item number	11901	11903	11904	10826
Focal length in mm	2.8-12	5-50	5-100	3.5-80
Iris	Auto-iris	Auto-iris	Auto-iris	Auto-iris
Lens aperture	1.4	1.6	1.6	1.4
View angle	24° - 98°	8° - 72°	3.5° - 64°	27° - 78°
Aspherical	Yes	Yes	Yes	Yes
IR compatible	Yes	Yes	Yes	Yes
Megapixel lens	Yes	Yes	Yes	Yes

THE CORRECT FOCAL LENGTH FOR EVERY APPLICATION

LUPUS-Electronics always provides the matching lens for you and your application. In particular if conclusive images are required, e.g. to recognize license plates (e.g. at gas stations or driveways) it is really important to choose the optimal lens. The following formula facilitates your selection:

The benefit of our vario lenses is that you can adjust the optimal focal length and view angle for the application, when you install it.

Our high-quality voltage-controlled lenses (auto-iris) send brightness information to the camera chip.

$$\text{Lens in mm} = \frac{\text{Distance in meters} \times 4.8}{\text{Object width in meters}}$$

< Focal length 3.5 mm >

< Focal length 50 mm >

LUPUS-ELECTRONICS
LUPUSNIGHT SERIES

The reliable surveillance of your property is especially important at twilight and at night. A night vision camera delivery good surveillance images in bad lighting conditions and at dark. The models of the LUPUSNIGHT series were developed in particular to be used by day and by night. They are equipped with infrared LEDs, which are characterized by a longer durability thanks to the LE-Longlife Technology. The integrated IR LEDs illuminate the area, thus ensuring excellent night vision. The high-definition infrared camera LE 139 even gets along without the IR LEDs given a residual illumination by street lamps or moonlight.

The optimal illumination of the camera's field of vision is essential for night vision cameras to ensure a maximum of security and recognizability. In the LUPUSNIGHT series, Dynamic Infrared Emission is responsible for the optimal illumination of the surveillance cameras' field of vision. Depending on the model, they offer night vision ranges between 10 and 50 meters and are suited for various places of application. You need to take into consideration that the maximum range is influenced by reflections from the surfaces of objects and may vary individually. The infrared camera LE 307 is particularly flexible in its applications due to its 3.8-12 mm vario lens, which facilitates the individual alignment and illumination of the area to be monitored. The LE 307 is therefore particularly suited for ample and badly lit areas.

The LUPUSNIGHT series always delivers brilliant surveillance pictures - regardless of the weather. The IRPro technology ensures the unchanged quality of the pictures even in bad weather. The robust and water-tight housing protects the camera against wind and weather. Some of the models are even equipped with an air-conditioned high-security housing protecting them against vandalism.

The LUPUSNIGHT night vision series is adapted to the required application conditions by means of intelligent technologies. In combination with a hard disk recorder or a PC card, they represent a comprehensive security system for your home.
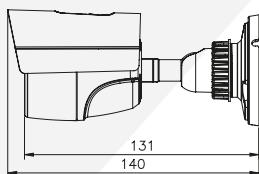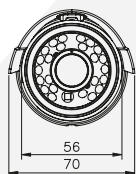
LE 138

Item no.: 10103

The LUPUSNIGHT LE 138 combines best image quality and high resolution with particularly small housing dimensions due to its innovative technical design. Thanks to the new removable CCTV mount with cable conduit inside, the surveillance camera can be conveniently mounted after the bracket was mounted. We considered the outdoor suitability of this small all-rounder as especially important: the integrated IR LEDs illuminate up to 20 meters of the surroundings at night, and the IP68 protection class makes it water-tight even if it is under water for a longer time.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) Sharp (color)
Image resolution of CCTV	752x582 pixel (PAL)
Horizontal resolution of CCTV	540 TVL
Minimal lighting conditions	0.02 Lux / F1.2 (IR off), 0 Lux (IR ao)
S/N ratio	Over48dB
Electronic shutter	PAL: 1/50 ~ 1/110 000
Gamma correction	0.45
Lens type	3.6mm fixed lens / F2.0
View angle	approx. 92°
White balance	Automatic
Gain control	Automatic
Sync. system	Internal
Video output	1 Vp - p / 75 Ohm
LED	24 IR LEDs
LED wavelength	850nm
Max. illumination range	20 meters
Protection class	IP68
Power supply	DC12V
Power consumption	IR on: 315mA, IR off: 95mA max.
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	Sunshade (pre-assembled)
	User manual
	Power supply unit
	Ceiling/wall mount (pre-assembled)
	Screw kit with dowels

56
70
131
140

LE 139

Item no.: 10104

The all-rounder: Die LUPUSNIGHT LE 139 combines best image quality with particularly small housing dimensions due to its innovative technical design. The 1/3" Sony Exview CCD II with Sony Effio-E DSP delivers high-definition images with 976x582 pixel and max. 700 TV lines, a sensational feature for this price range. Thanks to the new removable CCTV bracket with cable conduit inside, the surveillance camera can be conveniently mounted after the bracket was mounted. Compared to the LE 138, the Sony Exview HAD II CCD delivers considerably better pictures in bad lighting conditions. If only a bit residual illumination is available, the integrated IR LEDs are almost unnecessary, but nevertheless advantageous to illuminate up to 20 meters of dark rooms at night. The IP68 protection class makes it water-tight even if it is under water for a longer time.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) 960H Sony Exview HAD II CCD (color)
Image resolution of CCTV	976x582 Pixel (PAL)
DSP (Digital signal processor)	Sony® Effio-E
Horizontal resolution of CCTV	700 TV lines b/w, 650 TVL in color
Minimal lighting conditions	0.01 Lux (F1.2, IR off), 0 Lux (IR on)
Digital image enhancement methods	BLC, HLC (High Light Compensation), ATR-EX
S/N ratio	Over 48dB
Electronic shutter	PAL: 1/50 ~ 1/110 000
Gamma correction	0,45
Lens type	4.3mm fixed lens / F2.0
View angle	approx. 82°
White balance	Automatic
Gain control	Automatic
Sync. system	Internal
Video output	1 Vp - p / 75 Ohm
LED	24 IR LEDs @ 850nm
Noise suppression	2D
Max. Illumination range	20 meters
Protection class	IP68
Power supply	DC12V
Power consumption	IR on: 315mA, IR off: 95mA max.
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	Sunshade (pre-assembled)
	User manual
	Power supply unit
	Ceiling/wall mount (pre-assembled)
	Screw kit with dowels

HIGHER PHOTOSENSITIVITY THROUGH SONY EXVIEW HAD II CCD

The main difference between the LUPUSNIGHT LE 139 and the lower priced model LE 138 is the clearly better photosensitivity. That is in partciular noticeable, if there is less residual illumination. The pictures are considerably lighter and objects are better recognizable than with model LE 138, as shown in the photos above.

LE 191
Item no.: 10151

The LUPUSNIGHT LE 191 day and night surveillance camera is the all-rounder for indoor and outdoor applications. During the day, it transmits colored images and during the night clear black and white pictures by means of the 36 integrated high-performance LEDs with LE-Longlife technology. The high-resolution Sony® Interline Super HAD II CCD 8.5 mm chip delivers excellent quality at a resolution of 1028x596 pixel with 650 TV lines. The OSD menu can be operated via a weatherproof remote control integrated in the cable. You can order this camera with different lenses and thus perfectly match it to meet your application requirements. E.g., the LUPUSNIGHT LE 191 with a 4mm wide angle lens optimally shows all the objects in the camera picture that are within a range of 5 meters. The 4, 6, or 8 mm lens of the LE 191 is the right choice, if the objects to be secured are increasingly distant. The cameras are back light compatible, have a weatherproof housing with removable umbrella roof and illuminate areas of up to 30 meters during the night. The night vision illumination is, in contrast to many customary night vision cameras, optimally adjusted to the view angle of the respective model (Dynamic IR Emission). The integrated innovative Optical Low Pass Filter (OLPF) facilitates to switch between night and day mode without any loss of quality (similar to a mechanical swivel-mount IR filter). A foot with swivel joint as well as the power supply unit are included in the scope of delivery.

TECHNICAL DATA

Camera sensor	1/3'' 8,5 mm Sony® Interline Super HAD II CCD
Signal processor	Sony EFFIO-E™
Image resolution	1028x596 pixel (native), 752x576 (real) PAL
Horizontal resolution	650 TVL
Minimal lighting conditions	0.04 Lux (F1.6)
S/N ratio	Over 48dB
Electronic shutter	PAL: Auto 1/50 ~ 1/100K s
Gamma correction	0.45
Lens type	C/CS compatible
View angle	4mm (78°) EOL, 6mm (52°) or 8mm (42°) (to be specified above)
White balance	Automatic
Gain control	Automatic
Sync. system	Intern
Video output	1 Vp - p / 75 Ohm
LED	36 LED's
LED wavelength	850 nm
Max. illumination range	30 meters
IR correction	Day/night adjustment by Optical Low Pass Filter
IR technology	LE Longlife Technology, Auto Dynamic IR Emission
Protection class	IP66
Power supply	DC12V
Power consumption	12V DC, max. 3.5W
Operating temperature	-20°C to 50°C
Dimensions	Ø70 x120mm(L)
Weight	550 g

SCOPE OF DELIVERY

	Sunshade (pre-assembled)
	Data sheet
	Ceiling/wall mount (pre-assembled)
	Screw kit with dowels
	Power supply unit

LE 307
Item no.: 10132

This innovative surveillance camera was developed especially for surroundings with very bad lighting conditions at day and at night, but which require a maximum of security and recognizability. The camera has a 3.0-12mm Vario lens to be adjusted from behind as well as 18 x Ø5mm LEDs and 12 x Ø8mm LEDs. Their illumination angle can be optimally adjusted to the view angle by means of a weatherproof push-button at the back of the camera. The image is thus always entirely illuminated despite the Vario lens and the "torchlight" effect is avoided. Equipped with the innovative Smart Light Control technology, Sensup, and the LE Longlife technology, this IR camera combines clear and focused images at the worst lighting conditions with a durability and reliability never before seen. The advanced night vision control optimally and dynamically regulates the illumination power according to the available lighting conditions. A wall mount with swivel joint as well as the 12V power supply unit are included in the scope of delivery.

TECHNICAL DATA

Camera sensor	1/3'' 8,5 mm Sony® Exview HAD II CCD
Digital signal processor	Sony® EFFIO-E™
Image resolution	952x582 pixel (PAL)
Horizontal resolution	650 TVL (color), 700 TVL (bw)
Minimal lighting conditions	Photosensitivity: 0,1 Lux (F1.2), 0.001 Lux (b/w with SensUp), 0 Lux IR on
S/N ratio	Over 48 dB
Electronic shutter	PAL: Auto 1/50 ~ 1/100K s
Gamma Correction	0,45
Lens type	Vario lens 3.0 - 12 mm aspherical and voltage-controlled
View angle	91.3° - 23.91° horizontal, 73.1° - 17.93° vertical
White balance	Automatic
Gain control	Automatic
Sync. system	Internal
SensUp	b/w images up to 0.001 Lux
DNR	Digital Noise Reduction (DNR) considerably reduces the noise formation
Video output	1 Vp - p / 75 Ohm
LED	18 x Ø5mm LEDs and 12 x Ø8mm
LED wavelength	780nm~1100nm
Max. illumination range	40 meters
IR correction	Day/night adjustment by Optical Low Pass Filter
IR technology	Smart Light Control, LE Longlife Technology, Auto Dynamic IR Emission
Protection class	IP67
Power supply	DC12V
Power consumption	IR on: 315mA, IR off: 95mA max.
Operating temperature	-20°C to 50°C
Dimensions	112x82x75mm (LxWxH)
Weight	1080g

SCOPE OF DELIVERY

	Sunshade (pre-assembled)
	User manual
	Power supply unit
	Ceiling/wall mount (pre-assembled)
	Screw kit with dowels

IR SINGLE - HIGH-END IR LAMP

Item no.: 10160

High-end infrared lamp made in Germany

IR LED spot 230 V/AC, 35 watt, 850 nm

... for the application with IR-compatible CCD or CMOS video surveillance cameras.

To adapt the illumination of the scene to be monitored, adjustable via the 2-axis wall mount, and individually adjustable light distribution of 5 of the altogether 7 integrated 5 watt HPL in 3 steps.

IMPORTANT:

Contactless adjustment (magnetic)!

It is not necessary - and not possible - to open the system!

Theoretically adjustable variables: 243

TECHNICAL DATA	
IR lamp	7 x HighPowerLED mit DamnColdCooling DCC und ChipTempControl CTC
Vandal-proof (IK10)	Yes
Cable conduit and electrical connection	inside the 2-axis wall bracket
Day light sensor	integrated
Air vent through pressure compensation membrane	integrated
Data log	to record the temperature and operating hours
Power supply unit	Integrated power supply unit with power factor correction
Maximum emission of infrared light	850 nm
Diffusion of infrared light beam (delivery form)	2 x 15 (v)x40°(h) FIX and 5 x 30(v)x60°(h)
Adjustability of infrared light beam	5 x (individual) 5 x 10(v)x10°(h), 5 x 10(v)x40°(h), 5 x 30(v)x60°(h)
Infrared light output, gross	approx. 7.835 mW sr 6,28 / f = approx.: 0,224
Infrared light output, net	approx. 6.856 mW sr 6,28 / f = approx.: 0,196
Light range	up to 150 m (depending on the applied CCD or IP camera, the F-stop of the applied lens, the degree of reflection of the scene and the selected diffusor settings)
Operating voltage	230 V/AC
Power input	35 Watt
Protection class	IP66
Harmonic waves	pursuant to DIN 61000-3-2:06/-4-7
Temperature range	-30°C to +50°C
Standards	CE, Standby >1 Watt, EMV
Dimensions including wall mount	196 x 154 x 225 x mm (B x H x T)
Weight	1.5 kg

IR DOUBLE - HIGH-END IR LAMP

Item no.: 10161

(IR) (💧)

High-end infrared lamp made in Germany

IR LED spot 230 V/AC, 70 watt, 850 nm ...

... for the application with IR-compatible CCD or CMOS video surveillance cameras.

To adapt the illumination of the scene to be monitored, adjustable via the 2-axis wall mount, and individually adjustable light distribution of 5 of the altogether 14 integrated 5 watt HPL in 3 steps.

IMPORTANT:

Contactless adjustment (magnetic)!

It is not necessary - and not possible - to open the system!

Theoretically adjustable variables: 59.049

TECHNICAL DATA	
IR lamp	14 x HighPowerLED mit DamnColdCooling DCC und ChipTempControl CTC
Vandal-proof (IK10)	Yes
Cable conduit and electrical connection	inside the 2-axis wall bracket
Day light sensor	integriert
Power supply unit	Integrated power supply unit with power factor correction
Maximum emission of infrared light	850 nm
Diffusion of infrared light beam (delivery form)	4 x 15 (v)x40°(h) FIX and 10 x 30(v)x60°(h)
Adjustability of infrared light beam	10 x (individual) 10(v)x10°(h), 10 x 10(v)x40°(h), 10 x 30(v)x60°(h)
Infrared light output, gross	approx. 15.670 mW sr 6,28 / f = approx.: 0,224
Infrared light output, net	approx. 13.711 mW sr 6,28 / f = approx.: 0,196
Light range	up to 300 m (depending on the applied CCD or IP camera, the F-stop of the applied lens, the degree of reflection of the scene and the selected diffusor settings)
Operating voltage	230 V/AC
Power input	70 Watt
Protection class	IP66
Harmonic waves	pursuant to DIN 61000-3-2:06/-4-7
Temperature range	-30°C to +50°C
Standards	CE, Standby >1 Watt, EMV
Dimensions including wall mount	196 x 169 x 225 x mm (B x H x T)
Weight	2.3 kg

LUPUS-ELECTRONICS GEODOME SERIES

Wherever discreet and unconspicous video surveillance is important, dome cameras are the ideal solution. They are installed mostly in shopping malls, commercial buildings, car parks, entrance areas, and storage buildings. The stationary surveillance cameras are installed to ceilings or walls. The entire room can be monitored with a dome camera installed in a central position to the ceiling. If the dome of the camera is opaque, you cannot see which zone is under surveillance of the camera, as the non-transparent housing does not rotate. The opaque model is thus also intended to scare potential offenders and to prevent burglary and vandalism. Cameras integrated in a smoke detector are particularly inconspicuous, as you cannot even see that a camera is inside.

To not only provide for discreet video surveillance in public buildings, but also to provide protection against vandalism, some models of the GEODOME series are especially protected. They are integrated in a very stable housing, which withstands even highly aggressive attacks. These vandal-proof cameras are recommended for highly frequented and unsafe areas.

Dome cameras also deliver crystal clear video recordings. Thanks to the latest technologies, these cameras are high-definition as well and deliver clear and focused images in any lighting condition possible. Up-to-date chips made by Sony® are responsible for this, providing for color-fast images and a high resolution. Particularly important is the image quality in POS surveillance. The GEODOME series comprises special CCTV cameras for this purpose, which are even certified with the UVV/BGV POS inspection certificate, confirming their excellent image quality. This is provided by the DC Zoom lens of the dome camera, which enables the dynamic adaptation to the area under surveillance.

LE 842

Item no.: 10331

€

The dome camera LE 842, which looks like a smoke detector, is the perfectly disguised surveillance camera to be easily isntalled to the ceiling. The microphone integrated at the bottom transmits noiseless audio signals via a RCA cable. The camera's scan system operates in the PAL standard with 550 TV lines and 752x582 pixel. The camera requires only 0.4 Lux and is equipped with a 4.3 mm standard lens.

TECHNICAL DATA

Camera sensor	1/3 inch 8.5mm Sony® Super HAD II CCD
Image resolution	752x582 pixel
Horizontal resolution	550 TV lines
Photosensitivity	0.4 Lux

Integrated microphone	Yes
Electronic shutter (ELC)	Yes
Back light compensation (BCL)	Yes
Automatic gain control (AGC)	Yes
Lens type	4.3mm
Horizontal view angle	92°
White balance	Automatic
Sync. system	2:1 interlace internal sync
S/N ratio	over 48 dB
Iris	fixed
Shutter	-1/50-1/110 000s
Protection class	IP30
Power supply	DC12V
Weight	134g
Voltage / performance	12V DC / max. 110mA
Dimensions	Ø125 x 52.5(H)
Certifications	CE, FCC, RoHS
Scope of delivery	
	12V Power supply unit

LE 300

Item no.: *10300*

The GEODOME LE 300 is one of the best security cameras available on the market. It delivers an excellent image quality because of the Sony® Super HAD II WD CCD chip and the Sony® EFFIO-P™ platform. Our new flagship model delivers crystal clear colored images with up to 700 TV lines at 976x582 pixel in lighting conditions of up to 0.01 Lux. Even at 0.003 Lux, the camera can transmit clear black and white images. Should this not be sufficient, the DSS function extends the shutter time, so that clear recordings are possible at up to 0.0003 Lux. The weatherproof and vandal-proof dome housing withstands even the worst environmental conditions. The 2.8-10.5 mm Vario zoom lens ensures the optimal adaptation to the conditions on location.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) Sony Super HAD II Double-Density WD CCD
Image resolution	976x582 (PAL)
Horizontal resolution	650 TVL (Sony EFFIO-P™ platform)
Minimal lighting conditions	0.01 Lux (day mode), 0.003 Lux (night mode), 0.0003 Lux (DSS) / F1.2
Extended back light compensation (BLC)	On/off (area and power adjustable)
WDR	Advanced Wide Dynamic Range II functions
Day/night adjustment	mechanical IR cut filter (AE / day / night / EXT)
Electronic shutter	1/50 ~ 1/100.000
Gamma level	0,45
Contrast rate	400:01:00
Gain control	Auto / Manuell
Wide Dynamic Range	On/off / Auto
S/N ratio	Over 50dB
Digital noise suppression	Low / medium / high
OSD language	English
Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256 FLD
Flickerless mode	On/off (1/120)
Motion detection	24x16 recognition blocks
Alarm	1 output
Private zone masking	15 areas (size adjustable)
Automatic repeater control (AGC)	Yes
Lens type	2.8 – 10.5mm (wide angle: 99.5° x 73.2°, zoom: 27.4° x 20.6°)
View angle	99.5° - 27.4°
White balance	Auto / indoor / outdoor / manual / Auto
Digital zoom	16x
Set camera ID and camera name	Yes
Mirror function	horizontal and vertical
Pause	On/off
Digital image processing (DSP)	Yes
Fits C/CS mounted lenses	Video and DC (see page 7)
Infrared LEDs	24 IR LEDs @ 850nm
LED night vision range	approx. 20 meters
Dimensions	145mm(Ø) x 109mm(H)
Protection class	Vandal-proof and weatherproof (IP68)
Power supply	12V DC, max. 6.36W
Power consumption	IR on: 395mA, IR off: 125mA max.
Operating temperature	-20°C to 50°C

SCOPE OF DELIVERY

	User manual
	Power supply unit included in scope of delivery
	Screw kit with dowels

LE 301

Item no.: *10301*

The GEODOME LE 301 has the same outstanding features as the model LE 300, but it is not weatherproof and can therefore not be installed outdoors. 24 high-performance LEDs are integrated in this dome camera as well, which illuminate max. 20 meters of the surroundings even in total darkness.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) Sony Super HAD II Double-Density WD CCD
Image resolution	976x582 (PAL)
Horizontal resolution	650 TVL (Sony EFFIO-P™ platform)
Minimal lighting conditions	0.01 Lux (day mode), 0.003 Lux (night mode), 0.0003 Lux (DSS) / F1.2
Extended back light compensation (BLC)	On/off (area and power adjustable)
WDR	Advanced Wide Dynamic Range II functions
Day/night adjustment	mechanical IR cut filter (AE / day / night / EXT)
Electronic shutter	1/50 ~ 1/100.000
Gamma level	0,45
Contrast rate	400:01:00
Gain Control	Auto / Manual
Wide Dynamic Range	On/off / Auto
S/N Wert	Over 50dB
Digital noise suppression	Low / medium / high
OSD language	English
Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256 FLD
Flickerless mode	On/off (1/120)
Motion detection	24x16 recognition blocks
Alarm	1 output
Private zone masking	15 areas (size adjustable)
Automatic repeater control (AGC)	Yes
Lens type	2.8 – 10.5mm (wide angle: 99.5° x 73.2° , zoom: 27.4° x 20.6°)
View angle	ca. 92°
White balance	Auto / indoor / outdoor / manual / Auto
Digital zoom	16x
Set camera ID and camera name	Yes
Mirror function	horizontal and vertical
Pause	On/off
Digital image processing (DSP)	Yes
Fits C/CS mounted lenses	Video and DC (see page 7)
Remote controlled via RS485 (Pelco D&P)	Yes
Infrared LEDs	24 IR LEDs @ 850nm
LED night vision range	approx. 20 meters
Dimensions	128mm(Ø) x 98mm(H)
Protection class	-
Power supply	12V DC, max. 6.36W
Power consumption	IR on: 395mA, IR off: 125mA max.
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	User manual
	Power supply unit
	Screw kit with dowels

LE 335
Item no.: 10323

The GEODOME LE 335 is the newly developed indoor dome camera by LUPUS-Electronics. This is a dome camera, which is in particular characterized by its universal applicability and flexibility: The SONY ExView II sensor based on Effio-E provides for excellent image properties especially in bad and diffuse lighting conditions. A mechanical IR Cut filter was additionally integrated, which can be individually adjusted to the local conditions. The same applies to the integrated Vario lens, which provides for flexibility in the installation due to its focal lengths between 2.8 and 10.5 mm. The GEODOME LE 335 is therefore especially suited for commercial projects such as supermarkets, shopping malls, retail shops, and office buildings.

TECHNICAL DATA

Camera sensor	1/3" (8.5mm) 960H Sony Exview HAD II CCD (color)
Image resolution of CCTV	976x582 pixel (PAL)
DSP (Digital signal processor)	Sony® enhanced Effio-E
Horizontal resolution of CCTV	700 TV lines b/w, 650 TVL color
Minimal lighting conditions	0.01 Lux (F1.2)
Digital image enhancement methods	BLC, HLC (High Light Compensation), ATR-EX, Smart IR
S/N ratio	Over 48dB
Electronic shutter	PAL: 1/50 ~ 1/110 000
Gamma correction	0.45
Lens type	Vario lens 2.8 - 10.5mm (99.5° - 27.4°) / F2.0 with IR cut filter
OSD control	Yes, includes adjustment of motion detection, private zone masking, ID, day/night shift time, and shutter speed
White balance	Automatic
Gain control	Automatic
Sync. system	Internal
Video output	1 Vp - p / 75 Ohm
Day/night shift	IR cut filter
Noise suppression	2D
Dimensions	83mm x 111.4mm
Protection class	IP52
Power supply	DC12V
Power consumption	120mA max.
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

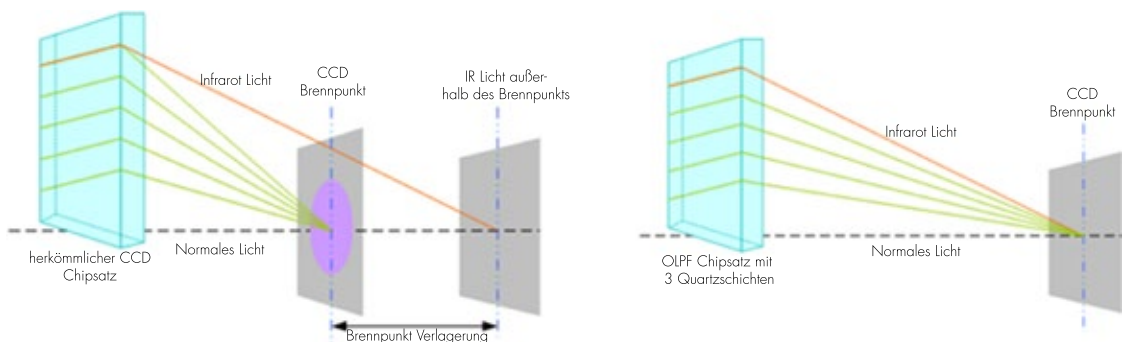|	
	User manual
	Power supply unit included in scope of delivery
	Screw kit with dowels

LE 330
Item no.: 10330

Minimal dimensions, maximal video surveillance: The brand-new GEODOME LE 330 is the smallest dome camera in our product line. With only 46 mm diameter and 108° view angle, it keeps an eye on larger spaces and is particularly inconspicuous. Despite the diminutive dimensions, the integrated d1/4 inch (6.35 mm) Sony Interline Transfer Super HAD CCD delivers outstanding images with 752x582 pixel and 540 TV lives. After you have fixed the mount, the camera can be conveniently installed thanks to the supplied steel mounting plate.

TECHNICAL DATA

Camera sensor	1/4" (6.35mm) Sony Interline Transfer Super HAD CCD (color)
Image resolution of CCTV	752x582 pixel (PAL)
Horizontal resolution of CCTV	540 TVL
Minimal lighting conditions	2 Lux
S/N Ratio	Over 48dB
Electronic shutter	PAL: 1/50 ~ 1/100 000
Gamma correction	0.45
Lens type	2.5mm fixed lens / F2.0
View angle	approx. 108°
White balance	Automatic
Gain control	Automatic
Sync. system	Internal
Video output	1 Vp - p / 75 Ohm
LED	no LEDs
LED wavelength	-
Max. Illumination range	-
Protection class	IP52
Power supply	DC12V
Power consumption	max. 50mA
Operating temperature	-10°C to 50°C

SCOPE OF DELIVERY

	Screw kit with dowels
	User manual
	Montageplatte

OPTICAL LOW PASS FILTER (OLPF)

Infrarot Licht · CCD Brennpunkt · IR Licht außerhalb des Brennpunkts · herkömmlicher CCD Chipsatz · Normales Licht · Brennpunkt Verlagerung

Infrarot Licht · CCD Brennpunkt · OLPF Chipsatz mit 3 Quartzschichten · Normales Licht

LE 331

Item no.: *10321*

(Mini)

Minimal dimensions – maximal video surveillance: With diminutive Ø93mm x (H)68 mm the LE 331 GEODOME provides for security, wherever particularly discreet surveillance is required. Despite its small size, this mini dome camera has an extremely stable housing (IP54). The Sony® Exview HAD II CCD chip provides for particularly color-fast images and excellent image quality. The camera needs only 0.01 Lux and has a fixed view angle of 92°.

TECHNICAL DATA

Camera sensor	1/3 Zoll 8.5mm Sony® Exview HAD II CCD
Image resolution	982x582 Pixel
Horizontal resolution	700 TV lines
Photosensitivity	0.01 Lux, F 2.0
Lens type	3.6 mm
View angle	92°
White balance	Automatic
Electronic shutter (ELC)	Yes
Back light compensation (BLC)	Yes
Automatic white balance (AWB)	Yes
Digital signal processor (DSP)	Yes
Vandalism-proof	Yes
Protection class	IP54
Power supply	DC12V
Weight	312g
Dimensions	Ø93mm x (H)68mm
Certifications	CE, FCC, RoHS

SCOPE OF DELIVERY

	Power supply unit

NEW

L-TYPE
WALL MOUNT

Item no.: *10309*

(€)

Use this stable wall mount to fix the camera models given below to walls. If necessary, you can also drill holes for other models into the mounting plate.

- » Aluminium wall mount
- » Extremely stable design
- » Available holes match models: LE 300, LE 301, and LE 960

LUPUS-ELECTRONICS
STARDOME SERIES

No compromises should be made in the surveillance of public areas. Reliable safety technology is required to optimally protect industrial plants, commercial businesses, shopping malls, banks, and public institutions. Usually dome-shaped cameras are installed in such areas, which enable discreet and safe video surveillance. A PTZ camera is particularly effective, which has an additional pan-tilt-zoom function. The movable dome camera is vertically and horizontally controlled either via a hard disk recorder, a PC card, or a separately available keyboard. This way, you can discreetly focus on certain zones of the area under surveillance, or you can magnify image details, wherever you suppose suspect activities. The pan-tilt-zoom function provides you with better control of the entire surroundings of the CCTV.

PTZ cameras are furthermore available on IP basis and can therefore be accessed from anywhere via a network or the internet. That creates a new feeling of security in heavily frequented and potentially dangerous areas such as railway or underground stations and airports. In gambling houses and for the surveillance of industrial production processes, controllable cameras are the best choice too due to their specific features to prevent corruption and cheating.

The STARDOME camera series with pan-tilt-zoom function offers technologically advanced and perfectly harmoized security products. Excellent image quality is necessary for the video security surveillance of public spaces. The camera has to cope with difficult lighting conditions in outdoor areas to ensure the image quality at any time day and night. The STARDOME series includes high-definition cameras delivering crystal clear colored images. A PTZ camera with a high-performance lens with 22-fold zoom is able to zoom into the remotest corner of the surveillance area. The security personnel can thus track suspect persons with the controllable camera and intervene, if a crime is committed.

KEYBOARD

Item no.: *10481*

(€) (PTZ)

The LUPUS-ELECTRONICS remote control keyboard with 3-axial joystick for a maximum of 255 system addresses via RS485 is the perfectly matched accessory for our STARDOME series and optimally supplements the overall security concept. A separate protocol can be assigned to each CCTV connected, if necessary. The keyboard is programmable, i.e. certain camera positions, tours, and zoom positions can be saved and activated conveniently by pushing a button. That provides you with the option to control, adjust or program the pan-tilt sensors, zoom, lens aperture, multiplexer, crossbars, and other features for one or more locations.

TECHNICAL DATA	
Controllable cameras	max. 255
Programmable guard tours	8
Interface	RS 485
Number of preset positions	80
Power supply unit	12V
Compatible cameras	Speed dome, zoom camera with PELCO protocol
Power supply	DC12V±10%
Operating temperature	-10°C ~50°C
Dimensions	296x190x53mm
Certifications	CE EMC, FCC CLASS A, RoHs

LE 255
Item no.: *10415*

Our high-definition LE 255 dome camera provides flexible all-round protection: With the integrated Sony® Super HAD II Density WD high-performance CCD (600 TVL) and 752x582 pixel, it provides crystal clear colored images. It is conveniently and individually controlled via a keyboard, a PC, or one of our hard disk recorders. Control access via a network or the internet are standard. The highspeed dome camera rotates at fast 300° per second and delivers excellent images with maximum quality. The dimensions of Ø125 x 176 of the camera are very discreet despite the integrated motor. The optical zoom magnifies the image 36-fold, so that you won't miss anything even in the remotest corner. The photosensitivity is strong 0.01 Lux at 410,000 pixel.

TECHNICAL DATA

Sensor	1/4 inch 6.4mm Sony® Super HAD II Density WD CCD
DSP (Digital signal processor)	Sony® Effio-P
Horizontal resolution	550 TV lines (color) 600 TV lines (bw)
Photosensitivity	0.05 Lux (color), 0.008 Lux (bw), 0,0008 Lux (DSS) / F1.6
Lens type	(3.4~122.4mm / F1.6~4.5), with ICR
Zoom factor	36 x optical
Zoom rate	5 seconds
Electronic shutter	1/50 ~ 1/100 000, 29 steps
Minimal distance to focus	0.01 meters (wide angle), 1.5 meters (Tele)
PTZ	Pan 360°, tilt: 0°~90°
Auto	Pan 1°~300° / sec, tilt: 1°~200° / sec
Manual	Pan 1°~150° / sec, tilt: 1°~100° / sec
Angle	360° (endless) horizontal, 8° - 90° vertical
Guard tours	6 tours / guard tours; 4 programmable with keyboard
Preset positions	128 positions storable
180° flip-over function	yes
Automatic adjustment of pan-tilt-zoom rate to zoom factor	yes
BNC	8 alarm outputs, 2 relay outputs
White balance	Automatic
Electronic shutter (ELC)	1/50 - 1/10.000s
Back light compensation	7 areas, Smart function, level 0 - 255
Automatic gain control (AGC)	Yes
Freeze	On / Off, mirroring
Interface	RS 485
Different control protocols	Pelco-D, Pelco-P
Power consumption	max. 1100mA
Power supply unit	12V
Weight	1.4 kg
Dimensions	Ø 220 mm ; height 240 mm
Certifications	CE EMC, FCC CLASS A, IP66, RoHs

LE 256
Item no.: *10416*

Our high-definition LE 256 dome camera provides flexible all-round protection: With the integrated Sony® Super HAD II Density WD high-performance CCD (600 TVL) and 976x582 pixel, it provides crystal clear colored images. It is conveniently and individually controlled via a keyboard, a PC, or one of our hard disk recorders. Control access via a network or the internet are standard. The highspeed dome camera rotates at fast 300° per second and und delivers excellent images with maximum quality. The dimensions of Ø125 x 176 of the camera are very discreet despite the integrated motor. The optical zoom magnifies the image 36-fold, so that you won't miss anything even in the remotest corner. The photosensitivity is strong 0.05 Lux at 410,000 pixel. The CCTV is additionally equipped with an impact-resistant and weatherproof housing with integrated heating and ventilation.

TECHNICAL DATA

Sensor	1/4 inch 6.4mm Sony® Super HAD II Density WD CCD
Image resolution	976x582 pixel (PAL)
DSP (Digital signal processor)	Sony® Effio-P
Horizontal resolution	550 TV lines (color), 600 TVL (b/w)
Minimal lighting conditions	0.05 Lux (color), 0.008 Lux (bw), 0.0008 Lux (DSS) / F1.6
Lens type	(3.4~122.4mm / F1.6~4.5), with ICR
Zoom factor	36 x optical
Zoom rate	5 sec
Electronic shutter	1/50 ~ 1/100 000, 29 steps
Minimal distance to focus	0.01 meters (wide angle), 1.5 meters (Tele)
Digital image enhancement methods	WDR2, 3DNR, BLC, HLC (High Light Compensation), ATR-EX
Zoom support	Automatic adjustment of pan-tilt-zoom rate to zoom factor
S/N ratio	Over 48dB
Electronic shutter	1/50 - 1/10.000s
Gamma correction	0.45
PTZ	Pan 360°, Tilt: 0°~90°
Auto	Pan 1°~300° / sec, tilt: 1°~200° / sec
Manual	Pan 1°~150° / sec, tilt: 1°~100° / sec
Angle	360° (endless) horizontal, 8° - 90° vertical
Cruise and auto-tracking	Cruise function remembers a gone tour, auto-tracking tracks persons
Guard tours	6 tours / guard tours, 4 programmable with keyboard
Preset positions	128 positions storable
Protection class	IP66 (with integrated heating), sea water resistant coating
Back light compensation	7 areas, Smart function, level 0 - 255
Freeze	On / Off, mirroring
Different control protocols	Pelco-D, Pelco-P
Power consumption	max. 1100 mA
Power supply unit	12V
Weight	1.4 kg
Dimensions	Ø 220 mm ; height 240 mm
Certifications	CE EMC, FCC CLASS A, IP66, RoHs

SCOPE OF DELIVERY

	Connecting cable
	User manual
	Power supply unit
	Wall mount
	Screw kit with dowels

LUPUSTEC RECORDER SERIES

Using long-term recorders in video surveillance, you can store the recordings safely in the long-term. The H.264 compression methods applied in the recorders of the LUPUSTEC series facilitate clearly longer recording period with the image quality remaining the same. The new technology thus scores in terms of recording resolution and speed. The long-term recorders deliver up to 100 images per second in full D1 resolution (750 x 576 pixel), distributed to the number of connected cameras.

The recorders can be connected to analog surveillance cameras and to digital network cameras. In case of need, your recordings are not only stored safely and demonstratively, but you can also access them from everywhere. You can integrate the CCTV recorders in you network or access the live images as well as the stored recordings via a PC, the internet, or mobile terminals such as smart phones or tablet computers. There is a related app available to implement this feature on mobile terminals.

The LUPUSTEC long-term recorders are available with 4, 8, and 16 channels, the high-end model even has 32 channels. All models are characterized by the latest hardware and up-to-date technology to provide you with even more security. The state-of-the-art features of the video surveillance recorders include the extended motion detection, which makes false alarms impossible. As soon as a motion is detected, the recorders trigger the alarm independently, and you are notified by text message, e-mail, or telephone at your own option.

The scope of delivery of the LUPUSTEC series includes the client software for the simple administration of the video surveillance data. In combination with multiple monitors as well as detectors and sensors, you can compose an individual and ultra-modern CCTV system.

EOL

LE 800D1
Item no.: 10558

(Zoom) (H.264) (€) (PTZ) (▯) (@) (Mini)

Can you improve one of the most successful 4-channel video surveillance recorders on the market? Yes, we can! LUPUS-Electronics presents the LUPUSTEC LE 800D1 - a complete new edition of the best-seller! With a new processor and the entirely reworked main board architecture, the recorder lives up its new name affix: The new technology generates real-time recordings with 25 frames per second per channel in full D1 (720x576 pixel) resolution. The images delivered by the new LE 800D1 are even more fluid and of premium quality, making the reliable partner in every application. Like the previous model, the new LUPUSTEC LE 800D1 can be easily and conveniently integrated in your network and enables simple access by PC, MAC, internet, iPhone/iPad, Android, Java, and other mobile devices. With the new iPhone/iPad app, you can furthermore access live images as well as the stored recordings. The proven dual data stream technology provides for the separate processing of recording data and network transmission, thus considerably increasing the system performance. The mouse-controllable user interface of the LE 800D1 was improved again. Compared to other digital recorders in this price category, our model offers a multiple of functions: mouse control, VGA output with HD resolution IR remote control, PTZ control, alarm inputs and outputs, monitoring grid for motion detection (16X12), e-mailing with pictures (no SSL/TLS support), USB backup and many more.

TECHNICAL DATA	
Video inputs	4 x BNC
Video outputs	1 x BNC main monitor output / BNC spot monitor output, 1 x VGA main monitor output
Monitor resolutions (VGA output)	Adjustable 1024x768 oder 1280x1024 nativ
Audio input	1 x RCA
Audio output	1 x RCA
Backup	via USB or network
Alarm ports	4 x sensor inputs, 1 relay output
PTZ camera control	RS-485 pan/tilt/zoom cameras
USB ports	1 x front, 1 x back
Mouse control	USB mouse
Remote control	Yes
Hard disk type	SATA (or SATA II) with max. 3000GB (not included in scope of delivery)
Image presentation	1 (full screen), 4 quad, picture in picture (PiP)
Graphical user menu	Yes
Supported languages	German, English, French, Portuguese, Greek, Polish, Spanish, Italian, Russian, Chinese, Japanese
Digital zoom	2X - 8x
Video Compression	H.264
Resolutions	720x576, 720x288, 360x288 (recording and display)
Frame rate	100, 100, 100 frames per second
Quality settings	Highest, high, normal, low, lowest
Recording modes	Manual, schedule (motion detection / sensor)
Alarm duration	1-999 seconds
Motion detection	Monitoring grid 16X12 (sensitivity 1~15)
Search modes	Time search, event search
Playback	Fast forward / backward 2X/4X/8X/16X/32X/64X, Slow forward / backward 1/2X,1/4X,1/8X,1/16X, playback / pause
Backup mode	USB storage device, network
Network compression	H.264 (minimal, maximal)
Remote access	Internet Explorer with max. 5 users, via mobile phone (Symbian/PDA/Blackberry/HTC/Android), iPhone, Safari, CMS software, Remote software für MacOS 10.6 (+Intel CPU), and Windows
Protocols	TCP/IP, SMTP, DHCP, DDNS, PPPoE, FTP
Key lock	Yes
Dimensions	188mm (W) x 54mm (H) x 209mm (T)
Voltage	DC12V, approx. 12W power consumption in normal operation, max. 48W.
Recommended humidity	30 to 80%
Recommended operating temperature	5 to 40°

EOL

LE 808D1 / 816D1

Item no.: *10559 & 10560*

€ H.264 @ 📱 PTZ

One of the most successful 8- channel video surveillance recorders on the market has doubled its speed! The new LUPUSTEC LE 808D1/LE 816D1, now with the double processor rate, double frame rate performance, improved, H.264 compression, and HD monitor resolution, new software version, and many new functions: The more powerful H.264 compression method enables the even higher image quality compared to the previous model at double the frame rate performance! The maximum frame rate can be distributed separately to the channels, so that the cameras can be given more or less system power individually or as required. The dual data stream technology additionally provides for the separate processing of recording data and network transmission, thus considerably increasing the system preformance. The mouse-controllable user interface of the LE 808D1/LE 816D1 was improved again. Compared to other digital recorders inj this price category, our model offers a multiple of functions: mouse control, VGA output with HD resolution IR remote control, PTZ control, alarm inputs and outputs, monitoring grid for motion detection (16X12), live access by mobile phone, e-mailing with pictures (no SSL/TLS support), USB backup and many more.

TECHNICAL DATA	
Video inputs	8 x BNC
Video outputs	1 x BNC main monitor output, 1 x BNC spot monitor output, 1 x VGA main monitor output
Monitor resolutions (VGA output)	Adjustable 1024x768 or 1280x1024
Audio input	4 x RCA
Audio output	1 x RCA
Backup	via USB or network
Alarm ports	8 x sensor inputs, 1 relay output
PTZ camera control	RS-485 pan/tilt/zoom cameras
USB Ports	1 x in front, 1 x at the back
Mouse control	USB mouse
Remote control	Yes
Hard disk type	SATA (or SATA II) with max. 3000GB (not included in scope of delivery)
Image presentation	1 (full screen), 4 quad, picture in picture (PiP)
Graphical user menu	Yes
Supported languages	German, English, French, Portuguese, Greek, Polish, Spanish, Italian, Russian, Chinese, Japanese
Digital zoom	2X - 8x
Video compression	H.264
Resolutions	720x576, 720x288, 360x288 (recording and display)
Frame rate	100(752x576), 200(752x288), 200(360x288) images / second
Quality settings	Highest, high, normal, low, lowest
Recording modes	Manual, schedule (motion detection / sensor)
Pre-/post-alarm recording	hour, 16MB (10 seconds)
Alarm duration	1-999 seconds
Motion detection	Monitoring grid 16X12 (sensitivity 1~15)
Search modes	Time search, event search
Playback	Fast forward / backward 2X/4X/8X/16X/32X/64X, Slow forward / backward 1/2X,1/4X,1/8X,1/16X, playback / pause
Backup mode	USB storage device, network
Network compression	H.264 (minimal, maximal)
Remote access	Internet Explorer with max. 5 users, by mobile phone (Symbian / PDA / Android), iPhone, Safari, CMS-Software, remote software for MacOS 10.6 (or higher + Intel CPU), and Windows XP/ Vista/ 7
Notification	by e-mail including pictures
Protocols	TCP/IP, SMTP (no SSL/TLS support), DHCP, DDNS, PPPoE
Daylight Saving	Yes
Key lock	Yes
Dimensions	430 mm (W) x 70mm (H) x 360mm (T)
Voltage	DC12V, max. 48W consumption
Writer	DVD writer included

EOL

MDVR
MOBILE DIGITAL RECORDER

Item no.: *10591*

⬛ € MPEG4 Mini

Small dimensions, high quality: Our LUPUS® MiniDVR enables the portable recording in high quality despite its small dimensions. It is the smallest recorder of its kind with 6x9x3 cm. You can play the recordings on a computer using a card reader.

TECHNICAL DATA	
Video codec	H.264 file format
Video recording rate	704x576@25 FPS (PAL) or 352x288@25 FPS (PAL)
Recording modes	High / medium / low
Time indicator	Yes
Video input	1 channel, jack
Video output	1 channel, jack
Audio sample rate	44.1 KHz
Audio codec	G726 / 32kbps
Audio input	1 channel, jack
Audio output	1 channel, jack
Recording medium	Secure Digital (SD) card (not included in scope of delivery) up to 32GB
Recording modes	Manual, permanent, motion detection, timer
Motion detection	Multiple areas and adjustable sensitivity
Playback functions	Play, fast forward, fast backward, pause, step forwards, step backwards
Playback speed	1x, 2x, 4x, 8x, 16x, 32x
Power supply	DC 5V power supply unit (not included in scope of delivery) or 2 AA batteries, car adapter not included in scope of delivery!
Power input	2.5W max.
Weight	150g (without batteries)
Dimensions	56x90x27mm (WxHxT)
Betriebsumgebung	5°C ~ 40°C

TESTED HARD DISKS IN-CLUDING INSTALLATION:

We provide various hard diks sizes for our digital video recorders and we install the hard disks at no extra charge after your order.

500/1.000/2.000/3.000 GB with 7200 UPM (SATA)

LUPUSTEC SMARTVISION

LUPUS-Electronics presents the new LUPUSTEC SmartVision software, a trend-setting central management solution, which adapts itself to the dynamic, fast growing demands of our times as flexibly as to our customers' different wishes.

LUPUSTEC SmartVision is compatible with the up-to-date Microsoft Windows and Apple Macintosh operating systems and can be remote controlled conveniently by smartphone. All you need to do is download the related app from the app store of your provider.

Experience the pleasant comfort and simple control of a new generation of video surveillance software by LUPUS-Electronics. With just a few settings, you can optimally adapt the application to a special purpose or individual surroundings and benefit from the powerful features.

Downloaden im Windows Store

Available on the App Store

ANDROID APP ON Google play

» **LUPUSTEC SmartVision supports all new IP cameras of the LUPUSNET series and of other manufacturers as well as all LUPUSCAM HD-SDI and LUPUSNET HD network recorders.**

» **LUPUSTEC SmartVision facilitates the simple operation by means of the app design and the split screen program view (touchscreen and multi-monitor support).**

» **LUPUSTEC SmartVision, a software for all requirements: From applications in private households with only a few cameras to the administration of complex surveillance scenarios with up to 1,000 connected cameras.**

» **LUPUSTEC SmartVision is included for free in the scope of delivery of every new HD recorder.**
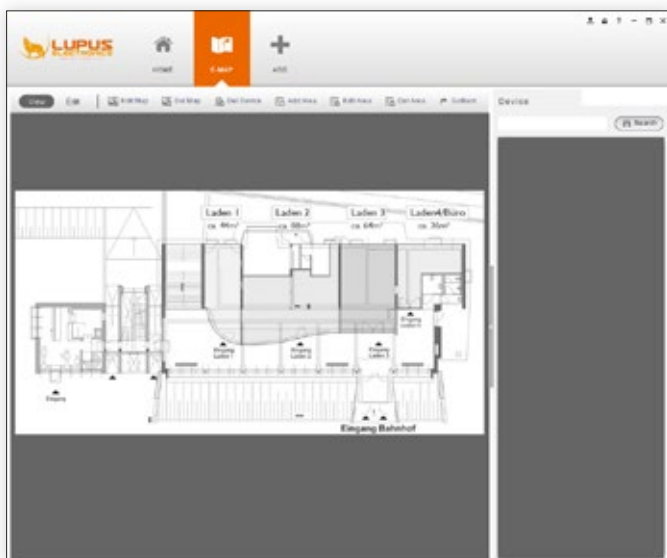
You can localize unwanted guests even with numerous cameras: Enter the floor plan and the positions of the cameras in the software. In case of an alarm, the plan opens and the camera that triggers the alarm flashes red.

Watch camera pictures live on location or via the internet live. Using the easy and intuitive-to-operate user interface, you can quickly find important recordings or change recording and alarm settings with just a few clicks.
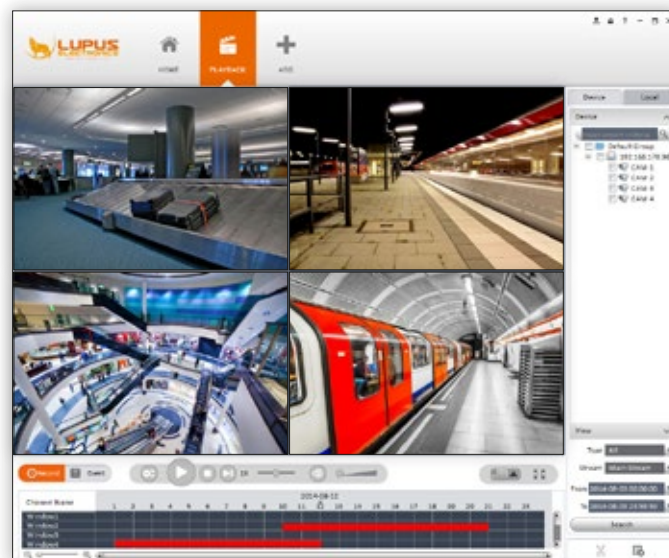

The search function enables to find stored video files quickly and easily. Enter the required date in the calendar and then select the required time from the camera time line. Color markings inform you in advance, if and what kind of recordings are available at all. If the respective time is marked (red) and applied, this is shown as a time line with selection bar in the lower section, and you can go forward or back within the hour.
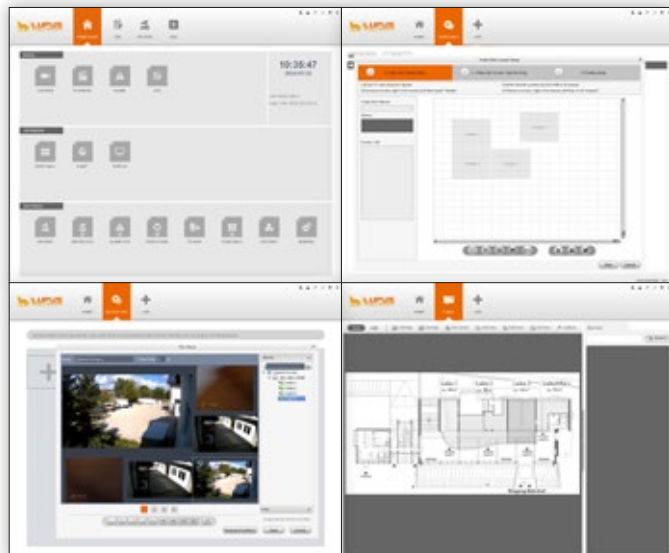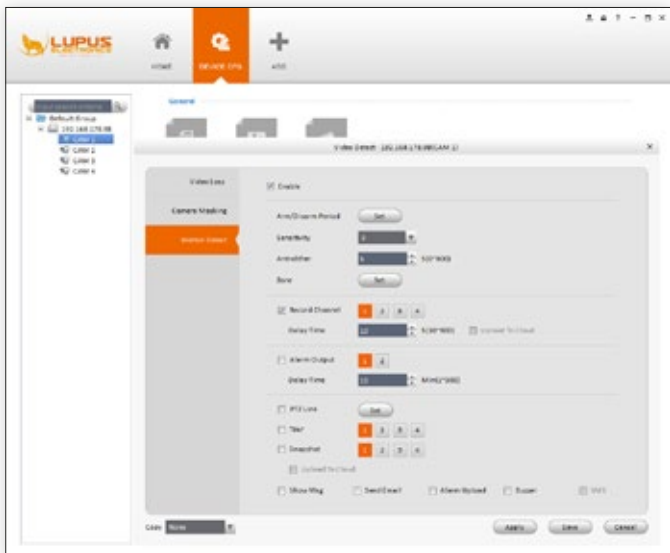
Intelligent event and motion recordings reliably raise notifications. Subdivide the screen into different zones and define, when and if they are to trigger the alarm or recording in case of motion detection.

Regardless of whether SmartVision is run on one or many monitors: The software can be dynamically adapted to the requirements and windows can be moved to other monitors by means of Drag & Drop.
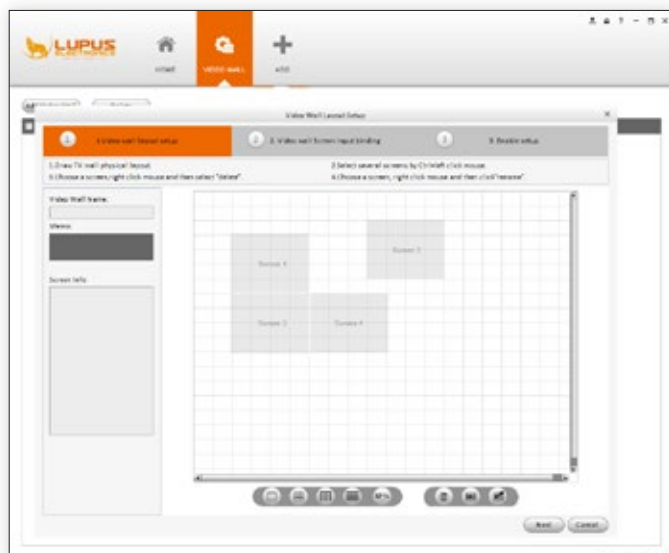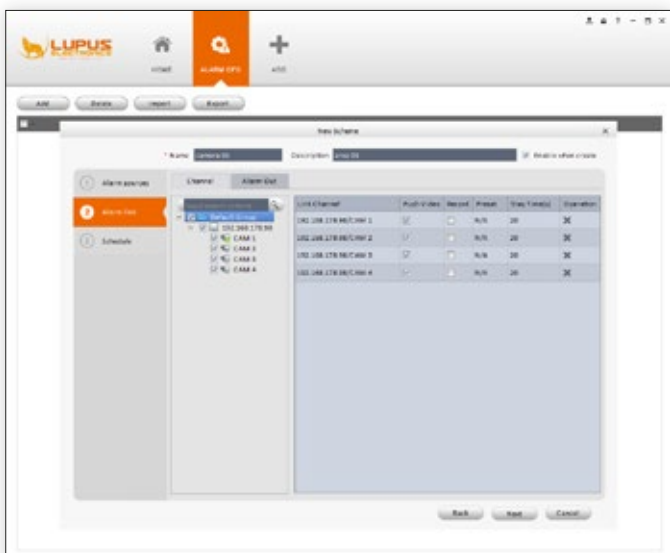
Set with a few clicks, if and when an alarm is to be raised in case of motion detection. A clearly structured table with push-video function enables to quickly and easily process alarm notifications received by all connected locations.

You can configure our new video recorders very easily by means of the SmartVision software. This way, you can very easily compile a huge video wall without any specialist knowledge being required.
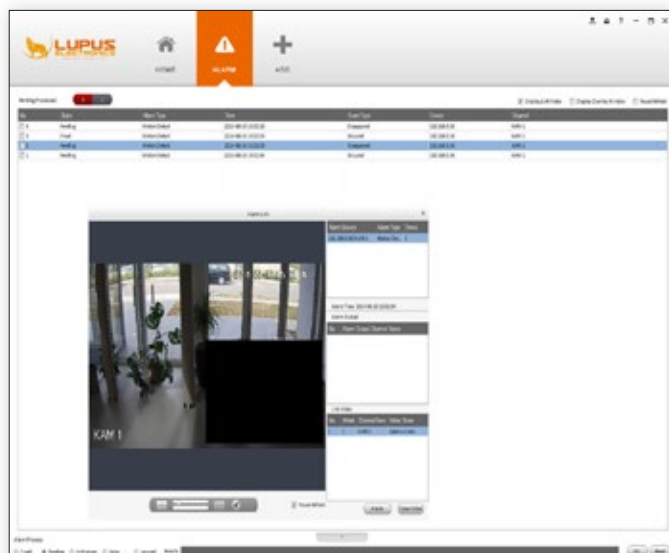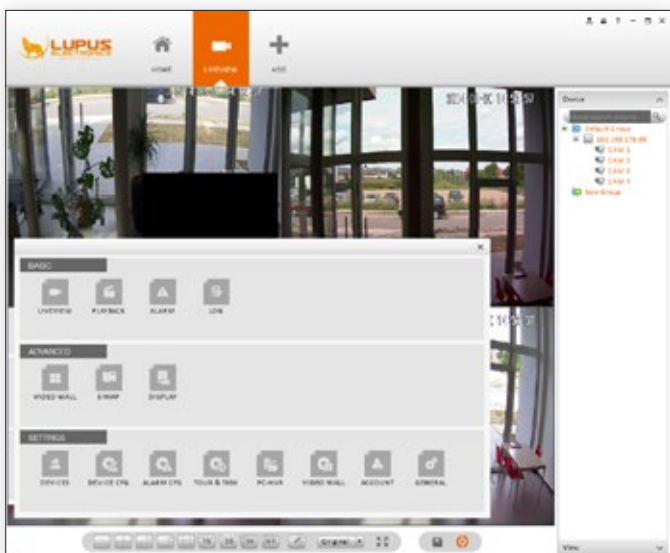
The LUPUS SmartVision software enables the individual configuration and presentation of the required function windows on the available screens. Simply add a presentation and drag it with the mouse to the desired position or the desired screen.

The alarm list of the LUPUS SmartVision software always gives you an overview of the devices and locations connected to the system. The arriving alarm messages are listed, if required also with live link to the camera image, and can thus be processed quickly in chronological order.

VIDEO CAPTURE CARDS

You can upgrade your computer to become a digital video surveillance system by means of video capture cards. The cards are equipped with hybrid technology, so that analog and network cameras can be connected to the system. Depending on the card model, you can connect cameras with up to 5 Megapixel to the graphics board. The powerful cards capture images in real-time and D1 resolution, i.e. a maximum of 400 frames per second can be played.

Video cards for computer-assisted CCTV support cutting-edge developments in video surveillance. New calculation algorithms recognize for instance, whether objects have vanished from the monitored area or suitcases were left alone. These developments are vitally important in particular for the surveillance of public spaces to increase the security.

You can operate the video surveillance system with a video capture card from a local network or the internet to provide you with access to the access from any place in the world. Besides the stored recordings, you can even see live pictures from all over the world.

CONTROLLER PRO AVERMEDIA

Item no.: *10640*

(Zoom) (PTZ) (@)

The system Controller Pro unit provides you with full control of the operation of your LUPUSTEC CUBE systems.

Especially if fast access and the capability to act quickly are concerned, mouse control often is not fast enough, as you can click only one function at a time. The system Controller Pro fully plays its strengths in this regard. You want to open individual pictures or menu items, check recordings or control PTZ cameras? The System Controller Pro provides you with comfortable, quick access and is compatible with the individual system unit as well as the Central Management Software of the LUPUSTEC CUBEs.

» 3-axis joystick for comfortable control of your PTZ camera and recorder functions
» User-friendly control structure with LCD display
» Mouse control via 3-axis joystick
» 2-level "jog shuttle" with variable playback speeds
» Enables the control of max. 255 PTZ cameras via the RS-485 interface
» Integrated microphone plus audio output facilitate 2-way telephony
» Password lock
» Compatible with HVR and NVR cubes, video cards of the 3000, 5000, and 6000 series and NXUs
» Compatible with the CMS system 3000
» Switch monitor views
» Playback
» Volume adjustment
» Digital zoom
» Switch to full screen
» Color and contrast adjustment
» De-interlace adjustment
» Trigger IP camera relay output
» Control PTZ cameras via server or CMS software
» Change PTZ preset points
» Start e-map
» Alarm/event log

LE 6240
Item no.: *10637*

MPEG4 H.264 PTZ 📱 @

Maximum performance, maximum quality and a maximum of functions: This is what our high-end series with AVMedia hybrid software stands for. Always keep track of everything: The remote management software presents all your locations centrally on the multi-monitors. High-tech real-time representation and real-time recordings with 8 to 16 cameras. The PCI Express card with AVMedia hybrid software makes it possible.

- » High-tech real-time representation and recording with 8 to 16 cameras (at 752x576)
- » Maximally 2 cards per PC possible
- » Expandable to 16 cameras
- » The PCI Express card makes it possible.
- » 100 frames / second (max. 25 frames / second per camera)
- » H.264 / advanced MPEG4 compression
- » Presentation/recording resolution: 320x288, 640x480, 720x576 Pixel
- » Max. supported monitor resolution: 1920 x 1200 pixel
- » Approx. 80-150 MB / hour per camera
- » 4/8 audio inputs
- » Including server and client software
- » Hybrid: enables the integration analog cameras, IP cameras, and digital video recorders (DVR)
- » Megapixel IP camera support
- » POS integration via optional POS Box
- » Dual monitor support plus dynamic TV output
- » Recognition of changed objects/scenes (e.g. suitcase left alone or missing object
- » Motion and audio detection, sensor alarm
- » Multiple actions in case of alarm: start e-map and show triggering camera, switch triggering camera to TV output, camera to full screen, activate relay output, give audio alert, call, send e-mail, FTP upload, start recording, text message/MMS, go to PTZ preset point, alarm SOP, send to CMS, execute program
- » Separate iEnhance software enables post-processing of video material
- » Separate iStable software stabilizes blurry video material with one click
- » Video encryption for more data security
- » Central remote management system to administrate any number of DVRs
- » SDK development kit for individual adaptation or expansion
- » Mobile access via: iPhone app, PDA viewer, Blackberry, Java app

SYSTEM REQUIREMENTS:

Intel CPU recommended, min. 3 GHz, 3D graphics board (ATI or Geforce), 512 MB memory, Windows XP/2000/Vista 32bit/7 32bit/64bit

SCOPE OF DELIVERY:

1 x 6120 Pci Express card, 1 x breakout cable with 8 video and 8 audio inputs, 1 x software CD, connecting cable

LE 6480
Item no.: *10638*

MPEG4 IP H.264 PTZ 📱 @

Maximum performance, maximum quality and a maximum of functions: This is what our high-end series with AVMedia hybrid software stands for. Always keep track of everything: The remote management software presents all your locations centrally on the multi-monitors. High-tech real-time representation and real-time recordings with 16 to 32 cameras. The PCI Express card with AVMedia hybrid software makes it possible.

- » High-tech real-time representation and recording with 16 to 32 cameras (at 752x576)
- » Maximally 2 cards per PC possible
- » 8 camera inputs (analog or digital) per card (expandable to 32 cameras)
- » The PCI Express card with hybrid software makes it possible.
- » 400 frames / second (max. 25 frames / second per camera)
- » H.264 / advanced MPEG4 compression
- » Presentation/recording resolution: 320x288, 640x480, 720x576 pixel
- » Max. supported monitor resolution: 1920 x 1200 pixel
- » Approx. 80-150 MB / hour per camera
- » 8/16 audio inputs
- » Including server and client software
- » Hybrid: enables the integration analog cameras, IP cameras, and digital video recorders (DVR)
- » Megapixel IP camera support
- » POS integration via optional POS Box
- » Dual monitor support plus dynamic TV output
- » Recognition of changed objects/scenes (e.g. suitcase left alone or missing object
- » Motion and audio detection, sensor alarm
- » Multiple actions in case of alarm: start e-map and show triggering camera, switch triggering camera to TV output, camera to full screen, activate relay output, give audio alert, call, send e-mail, FTP upload, start recording, Text message/MMS, go to PTZ preset point, alarm SOP, send to CMS, execute program
- » Separate iEnhance software enables post-processing of video material
- » Separate iStable software stabilizes blurry video material with one click
- » Video encryption for more data security
- » Central remote management system to administrate any number of DVRs
- » SDK development kit for individual adaptation or expansion
- » Mobile access via: iPhone app, PDA viewer, Blackberry, Java app

SYSTEM REQUIREMENTS:

Intel CPU recommended, min. 3 GHz, 3D graphics board (ATI or Geforce), 512 MB memory, Windows XP/2000/Vista 32bit/7 32bit/64bit

SCOPE OF DELIVERY:

1 x 6240 PCI express card, 2 x breakout cables with 4 video and 4 Audio inputs each, 1 x software CD, connecting cable

POS BOX FOR POS SYSTEMS
Item no.: *10681*

This POS box for our high-end video surveillance systems **LE 6120,6240 6480, HVR CUBE 16/32 or NVR AVMedia USB** integrates all the transactions of POS systems into your video surveillance.

The POS data are optionally stored in the live image of the respective POS camera or in a separate text file, which you can then quickly scan through by means of keywords.

This way, you can easily find out, whether the tankful was paid for together with the cereal bar!

SYSTEM REQUIREMENTS:

To find out, whether you POS system can be connected to the DVR recording system, please check which type of printers your POS system is compatible. One of the following conditions should be complied with.

- » Serial port for Epson printer
- » Parallel port for Epson printer
- » Serial printer with simple ASCII text output

If your POS system has not integrated printer, you can use this POS box to split the POS data to the printer and to the DVR.

Item	LE 6120	LE 6240
Camera inputs	4	8
Max. no. of video cards / PC	2	2
Max. no. of cameras	8	16
Video format	H.264 / MPEG4	
Resolution	320x288, 640x480, 720x576	
Audio inputs	4 (8)	8 (16)
Alert and access by phone/mobile phone	Yes (modem required)	
TV output	yes	
Frame rate (frames / second)	100	200
Recording rate (frames / second)	100	200
Alarm inputs/outputs	-	
Max. no. of IP cameras (up to 5 megapixel)	4 (8)	8 (16)

FRAMES PER SECOND (FPS)

This term describes the maximum speed of the video card. A camera image is shown flimmer-free (in relatime) at 25 frames per second.If you connect one or more cameras to a video card with 50FPS, only 12.25 frames per second are available for each camera. The 4-channel video card with 100FPS thus guarantees the real-time representation for all the connected cameras.

LUPUSET
VIDEO SURVEILLANCE PACKAGES

A CCTV package by LUPUS includes everything you need for professional video surveillance. You want to keep your property under surveillance day and night? Provide for the security of your company's parking area or secure the interior of your retail shop? The LUPUSET CCTV packages are composed to meet various applications and requirements, so that you can choose the best and most cost-effective solution for your individual situation. The packages combine different wireless or cable-connected, day and night view, and indoor and outdoor cameras with the respectively matching long-term recorders.

We have for instance special sets available for outdoor applications, which consist of weatherproof cameras and a powerful long-term recorder. This way, you can record images of the outdoor area in a reliable, time-controlled, motion detection or alarm-triggered way, which are then stored on a recorder in the H.264 format. The LUPUSET series includes starter packages at interesting prices, consisting of surveillance cameras and recorder including the accessories. The low-priced CCTV set can be extended with a monitor and sensors, if required.

In situations, in which cabling is not required or not possible, a wireless CCTV set is the ideal solution. Sets including cameras with WLAN interface provide you with a high degree of flexibility. You can access them via a network or the internet from everywhere. And you can use the free LUPUSEC app to view the live images of your surveillance camera via your smartphone or tablet computer.

LUPUSET CCTV packages equipped with motion detection not only provide you with demonstrative recordings, but can also notify you about any motion detected in the camera recordings by e-mail, text message, or telephone.

PLUG-AND-PLAY STARTER PACK
Item no.: *11005-110052*

Plug&play CCTV technology: LUPUS-Electronics offers lower-cost starter packages including accessories for any kind of application.

» Plug-and-play set including accessories
» Contains: 1 x LE 800 D1 (see page 48), 2 x LE 138 (see page 39), 1 x 500GB memory for 2 weeks of permanent recording, 2 x 20 meters combi cable incl. power cable, 2 x camera power supply unit + -foot
» Installed and configured in less than 30 minutes
» Installation support by phone at no extra charge

LUPUSET 001
Item no.: *11000 - 11004*

Plug & play set with 4x LE 138 (see page 39) surveillance cameras + recorder

» 4x weatherproof outdoor cameras with night vision, including brackets and power supply units
» 4 x 20 meters of cable including power cable (combi cable) and connectors (Plug & Play)
» Digital long-term recorder LE 800 D1 (see page 48) with motion detection and alarm notification by mobile phone, network/internet access, e-mail, and many more features
» Including SATA hard disk 500GB or more for over 3 weeks of permanent recording

LUPUSET 002
Item no.: *11006 - 11009*

Plug & play set with 4x LE 139 (see page 39) surveillance cameras + recorder

» 4x weatherproof extremely photosenitive outdoor cameras with night vision, including brackets and power supply units
» 4 x 20 meters of cable including power cable (combi cable) and connectors (Plug & Play)
» Digital long-term recorder LE 800 D1 (see page 48) with motion detection and alarm notification by mobile phone, network/internet access, e-mail, and many more features
» Including SATA hard disk 500GB or more for over 5 weeks of permanent recording! Combi cable (data + power)

LUPUSET 003

Item no.: 11011

(icons: water-drop, H.264, IR, €, mobile, @, day/night, Mini)

Plug & play set with 4x LE 138 (see page 39) **surveillance cameras + recorder**

» 8 x weatherproof outdoor cameras with night vision, including mounts and power supply units
» 8 x 20 meters of cable including power cable (combi cable) and connectors (Plug & Play)
» Digital long-term recorder LE 800 D1 (see page 48) with motion detection and alarm notification by mobile pphone, network/internet access, e-mail, and many more features
» Including SATA ... GB or more for 1 week of permanent recording.

NEW

VIDEOÜBERWACHUNGS-PAKET 331

Item no.: 11023

This low-priced complete set with 4 impact-resistant surveillance cameras GE-ODOME® LE 311 includes everything you nee for professional surveillance:

» 4 x surveillance camera GEODOME® LE 331 (see page 45)
» 1 x LUPUS® - LE 800 D1 (see page 48)
» Including 10 percent overall discount
» Optimal to keep heavily frequented areas under surveillance

NEW

LUPUSET - HD1000

Item no.: 11012

(icons: MPEG4, day/night, @, mobile, €, hammer, IR, H.264, WLAN, water-drop, IP, IR Shift)

Plug & play set with 4 x LUPUSNET HD LE 931 Lite WLAN surveillance cameras + recorder

» 4 x surveillance cameras LUPUSNET HD LE 931 Lite (see page 14)
» 1 x LUPUSNET NVR LE 904 recorder (without HDD)

The new LUPUS plug-and-play CCTV packages enable more and more consumers to make their lives more secure by means of extremely easy-to-install, but highly effective and professional CCTV systems.

Apartments, private houses, apartment buildings, retail shops, and offices can now be secured as simple and cost-effective as never before.

PROFESSIONAL SECURITY FOR EVERYBODY

Because of the network connection, the LUPUSTEC recorder can be coupled with the local internet connection in just a few steps and thus enables the consumer to access the surveillance system live from any place in the world by computer or mobile phone, simply by means of the Internet Explorer on the computer or with the fee mobile phone app for iPhone, Blackberry, and Android. The LUPUSSET systems thus enable every consumer to make his life safer with this ultra-available solution, as the system can be integrated smoothly in already available infrastructures.

The LUPUSET LE 001 CCTV set offers various options to extend the system's functionality:

» **Connect customary PC monitors, television devices, or CCTV monitors via the two monitor ports (1x VGA, 1x BNC). Spot monitors can be additionally connected via the separate spot monitor port.**

» **Use the alarm inputs and outputs to connect and control sirens, alarm systems, light systems, telephone systems and many more.**

» **Connect an USB mouse to directly operate and control the system with the mouse.**

ACCESSORIES

WEATHERPROOF HOUSING LE 560

Item no.: *10871*

Our robust security housing protects your surveillance camera optimally against environmental influences and vandalism. The professional model LE 560 provides your surveillance camera with a maximum of stability and flexibility with the following features:

» Lateral opening of housing for easy installation
» Protection class: IP67 (IP68 planned)
» 6 mm heated safety glass
» Die-cast aluminium housing with stainless steel screws
» For temperatures from -30°C to +60°C
» Dimensions: 178 mm x 154 mm x 450 mm

WALL MOUNT

Item no.: *108711*

The supply this wall mount together with the protective housing LE 560, as it is required for all the other mounts (see below).

» Inside cable conduit
» Die-cast aluminium
» Resilient up to 25 kg

LE 560 - CEILING MOUNT

Item no.: *10873*

» Special ceiling mount for our professional camera housing
» Resilient up to 85 kg
» Inside cable conduit
» Vandalism-proof

LE 560 - CORNER MOUNT

Item no.: *10874*

» Special corner mount for our professional camera housing
» Resilient up to 85 kg
» Vandalism-proof

We offer the matching accessories for your individual security concept. From ready-for-connection CCTV camera cables to special CCTV monitors for video surveillance, we offer everything that you require for the optimal and safe implementation of our CCTV systems. The professional CCTV cameras need the appropriate professional protection too. Our professional protection housings protect you cameras against vandalism and outside influences. The high-capacity power supply units provide for the reliable power supply of up to sixteen surveillance cameras. You will find the suitable surveillance camera accessories for every security concept.

POLE MOUNT
Item no.: 10875

» Special pole mount for our professional camera housing
» Resilient up to 85 kg
» Inside cable conduits
» Vandalism-proof

CAMERA POLE
Item no.: 10876

Aluminium camera pole, cone-shaped, LPH 4.00 m, diameter: 114/76 mm, wall thickness: 2.5 mm, with bracket, buried base coating, earthing screw M-8, door opening: 400 x 85 mm, cable insert: 50 x 150 mm, weight: approx. 15 kg

Other dimensions upon request

WALL MOUNT FOR TFT LCD MONITOR
Item no.: 11180

The FUNC flat-screen WL ST is a variable solution to mount small-format flat-screen monitors to the wall. It is designed for a maximum load-bearing capacity of 15 kg and supports the VESA standards 75x75 and 100x100. The monitor can be rotated by +/- 20° and tilted by 25°.

» Color: silver
» Max. load-bearing capacity: 15 kg
» Distance to wall: 54.5 mm
» Rotation and tilting range: The monitor can be rotated by +/- 20° and tilted by 25°.
» Holes are pre-drilled in the bracket, which facilitate the assembly to a bolt.
» Suitable for monitors from 8" to 30"

CAMERA MOUNT
Item no.: 10863

You can use this camera mount for any of our "smaller" surveillance cameras from our range with 1/4x20 screw thread. The aluminium foot is very robust and the joint facilitates the extermely dynamic adjustment of the surveillance camera.

» Camera mount for walls/ceilings
» Robust aluminium
» Height 165 mm
» 1/4 inch, 20-turn UNC screw thread (approx. 6.35 mm outer diameter and 5.2 mm inner diameter, lead length 1.27 mm)

VIDEOÜBERWACHUNG

POWERED BY LUPUS ELECTRONICS

ALARMANLAGE

LUPUS ELECTRONICS

PROFESSIONAL MOUNTS
Item no.: 10413x

Get your STARDOME into the optimal position. The mounts for STARDOME cameras provide for the vandal-proof mounting to walls and poles. The included mount of the LE 251 enables the discreet and space-saving installation in the ceiling. The outdoor dome camera LE 251N can be ordered with ceiling, corner, or pole mounts.
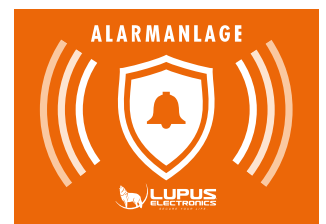
STICKER: VIDEO SURVEILLANCE / ALARM SYSTEM
Item no.: 10862

It is required by law to clearly identify the surveillance of public spaces by means of information signs. Our "Video surveillance" and "Alarm system" stickers attract attention due to the typical LUPUS colors and comply with the obligation to inform.

5.6" (14.2 CM)
CCTV SERVICE DISPLAY

Item no.: *11101*

This service monitor is an essential part of any installation equipment. It simplifies the installation (adjustment and focus) of the camera considerably. The surveillance cameras can be directly plugged into the BNC input. The integrated battery provides for the wireless operation for several hours.

- » Optimal to adjust the camera on location
- » Including bag and rechargeable battery with power supply unit
- » Extremely robust and light-weight design
- » BNC input for direct connection of cameras
- » Simple operation via OSD
- » High resolution
- » Integrated speakers
- » Resolution: 640x480 pixel
- » Weight: 0.6 kg
- » Dimensions of visi-screen window: 5.6 inch (142 mm)

ble

8" (20,3CM) CCTV DISPLAY

Item no.: *11102*

This nicely shaped 8 inch (20.3 cm) display is particularly suited for the installation at and into walls. The integrated speakers and the supplied foot enable its application in various areas.

The display has a robust metal housing and produces almost no waste heat even in permanent operation, which makes it particularly suitable for the integration into walls.

- » Optimal for installation and integration
- » BNC input to directly connect cameras or recorders
- » Robust metal housing
- » Resolution 800x600 pixel
- » 380 TVL
- » Integrated stereo speakers
- » max. 10/15 ms (Tr/Tf) response time
- » OSD with eight languages
- » Contrast 500:1
- » Brightness 300 cd/m²
- » Viewing angle 140° V / 140° H
- » 2 x BNC inputs, 1 x S video input, and 2 x audio inputs
- » 1 x auduio output
- » Operating voltage 12 VDC / 18 W
- » Weight 1100 g
- » Including foot
- » Dimensions (HxWxT): 192x175x28mm

17/19" (43/48 CM) DISPLAY

Item no.: *11110 & 11111*

This very flat display is optimally suited to directly connect cameras (wireless and cable-connected) or recorders thanks to its very low response time and the special BNC video input (via optional VGA converter). The device is ideally suited for the installation to walls.

- » LCD technology TFT active matrix
- » Screen diagonal 17 " (43.2 cm) / 19" (48.3 cm)

- » Pixel distance 0.294 mm, brightness 300 cd/m², contrast (max.) 2.000:1
- » Response time 5 ms
- » Frequencies horizontal 30 - 83 kHz ; vertical 56 - 75 Hz
- » Resolution: max. 1280 x 1024, resolution BNC input: 1024x768 (optional)
- » Number of colors 16.7 million
- » Ports: 1 x 15 pin D-DUB 1 x DVI-D plug & play + 1 x BNC via VGA02 converter
- » DDCCI power supply internal power supply uni
- » Power consumption of operation: 33 W and standby: <1W
- » Dimensions: 402 mm x 437 mm x 242.6 mm
- » Weight (net) 6.7 kg
- » Standards: TÜV-GS EPA Energy Star CE UL CSA FFC-B SEMKO VCCI-2

15/17/19" (38, 43, 48 CM)
PROFESSIONAL CCTV DISPLAYS

Item no.: *11103 & 11104 & 11105*

You need a professional display to show the camera and recorder pictures without distortion. The LE-M15 features 500 TVL, BNC snd composite video inputs as well as high-quality manufacture.

The professional 17/19 inch CCTV display is distinguished by maximum display and manufacturing quality. In contrast to customary PC displays with VGA converter, it does not stretch the image (to 1024x768), but enables the PAL representation with up to 600 TVL.

- » Maximum image quality for the representation of our cameras and recorders
- » Resolutuion of   500 TVL / 1024x768 pixel (**15"**),
- »   600 TVL / 1280x1024 pixel (**17"**),
- »   500 TVL / 1280x1024 pixel (**19"**),
- » PAL / NTSC auto-recognition
- » 4 scan modes: 1:1, Under scan, Over scan, and Full scan
- » Small housing
- » Housing color: schwarz
- » Inputs: VGA, BNC, S-Video, Y/C, Audio (**15"**),
- »   VGA, BNC, HDMI, Audio (**17"** and **19"**)
- » OSD menu with   7 languages (**15"** and **19"**),
- »   12 languages (**17"**)
- » OSD video settings: Color, Tint (only NTSC), brightness, contrast, focus, volume, language, color temperature, recall, scan (1:1, Under Scan, Over Scan, Full Scan), H position
- » OSD-VGA settings: brightness, contrast, H position, V position, clock, phase, color temperature, user Color-R, user color-G, user Color-B, OSD-H position, OSD-V position, volume, language, recall
- » VESA compatible
- » Key lock function
- » De-interlace
- » Automatic activation after power failure
- » Operating temperature: 0 - 40°C (**15"** and **19"**),
- »   0 - 50°C (**17"**)
- » Integrated stereo speakers (**17"** and **19"**)
- » Visible screen window: 337.92mm(H)x270.336(B) (**17"**),
- »   376.32mm(H)x301.06(B) (**19"**)
- » Dimensions: 364.0 (W) x 316.0 (H) x 170.0 (T) (**15"**),
- »   375 (W) x 370 (H) x 170 (T) mm) (**17"**),
- »   424 (W) x 419 (H) x 170 (T) mm (**19"**)
- » Voltage consumption: 12V 4.16A (**15"**),
- »   12V 3.5A (**17"**),
- »   12V 4.0A (**19"**)
- » Contrast: 1000:1 (**17"**),
- »   800:1 (**19"**)
- » Brightness: 250 cd/m2 (**17"**),
- »   300 cd/m2 (**19"**)
- » Power consumption: 17W (**17"**),
- »   50W (max) (**19"**)
- » Weight: 4kg (**15"**),
- »   5.54kg (**17"**),
- »   6.1kg (**19"**)

26" AND 42" CCTV DISPLAYS

Item no.: 11106 & 11107

These professional displays are distinguished by maximum display and manufacturing quality. In contrast to customary PC displays with VGA converter, they do not stretch the image (to 1024x768), but enable the original PAL representation with up to 600 TVL sermöglichen eine originalgetreue PAL Darstellung mit bis zu 500TVL, thus making the picture considerably clearer.

- » High-end CCTV display with 42 inch/106.7 cm
- » Robust steel housing
- » WXGA resolution of 1366x768 pixel
- » Video inputs: 2 BNC, 1 SVIDEO, 1 VGA, and 1 DVI input
- » Video outputs: 2 x BNC, 1 x SVIDEO
- » Audio input: 1 x jack, 1 x stereo RCA
- » Considerably clearer picture than with converter solutions
- » Contrast: 1500:1
- » Brightness: 500 cd/m2
- » Response time: 8 ms
- » Colors: 16 777 216 colors
- » View angle: 176°
- » 3D comb filterr
- » VESA mount possible
- » PIP and POP multi-image arrangement
- » Power connection: 240V non-heating connection
- » Power consumption: 250W
- » Dimensions: 1020x612x113.4 mm
- » Certifications: CE, FCC, UL/C-UL, CCC, BSMI
- » OSD functions [PC]: Brightness, Contrast, H position, V position, Clock, Phase, Color Temp, User Color-R, User Color-G, User Color-B, OSD-H position, OSD-V position, Volume, PIP, Language, Recall
- » OSD functions [video]: Color, Tint (NTSC only), Brightness, Contrast, Sharpness, Volume, Language, Color Temp, Recall, Scan (1:1, Under Scan, Over Scan, Full scan, 4:3, 16:9), PIP, H position
- » The foot or wall mount are not included in the scope of delivery, but the display is designed according to the VESA standard.

UPDATE

BNC VIDEO SIGNAL AMPLIFIER

Item no.: 10820

When laying cables which are longer than 300 meters, it is usually reasonable to apply a cable equalizer/amplifier to improve the image quality at the end of the line. In addition to the signal amplification, disturbances due to the long cable path are balanced. Depending on the length of the cable, altogether 3 amplifier levels can be chosen. Each level amplifies by approx. +8 dB to a total of +24 dB.

Cable attenuation depends on frequency response and cable length:

RG59 coaxial cable with 380 TVL color camera (5 MHz):
without amplifier up to 300 m, with amplifier up to 1,500 m
RG59 coaxial cable with 540 TVL color camera (10 MHz):
without amplifier up to 200 m, with amplifier up to 800 m

4-CHANNEL BALUN

Item no.: 10840

This converter enables the transmission of 4 video signals via a network cable (or 8 wires respectively) of up to 600 meters length. The integrated equalizer removes image interferences and provides for the high transmission quality of your surveillance camera. As an alternative to the lustre terminals, you can also plug in a network cable to transmit the 4 surveillance cameras.

2-WIRE BALUN

Item no.: 10839

This converter enables the transmission of video signals via a 2-core cable of up to 600 meters length. The integrated equalizer removes image interferences and provides for the high transmission quality of your surveillance camera.

- » Transmits the video signal of the surveillance camera via a 2-core cable
- » To bridge distances of up to 600 meters
- » Integrated equalizer ensures high transmission quality
- » No power supply required

IP BALUN - NETWORK VIA COAXIAL KABEL

Item no.: 10905

The IP Balun enables the transmission of a network camera via a coaxial cable (RG59). This is suitable for distances of max. 50 meters (depending on the attenuation).

RS232 CONVERTER

Item no.: 10837

This converter is required to control cameras with zoom or pan/tilt head by means of the monitoring software of the VCR cards. The converter is connected to a com port of the computer and is needed to implement the control signal from RS232 to RS485. The converter supports half-duples communication. The following distances are possible considering the transmission rate:

- » 500 meters at 150 KB/s
- » 1500 meters at 19.2 KB/s
- » 2000 meters at 1.2 KB/s
- » 3000 meters at 300 B/s

BNC 75 OHM
RG59 COAXIAL CABLE
Item no.: 10811 & 10812

You need this cable to connect our cabled cameras to hard disk recorders, displays and video capture cards. It is a particularly high-quality 75 Ohm video coaxial cable with a large copper portion and especially low attenuation (Made in Germany). It has a diameter of 6.1 mm and a particularly little bending radius (30 mm) and is therefore very simple to lay.

The cable has a medium resistance against oil, water, detergent, and UV light and is designed for temperatures between -20° and +70° C. The low attenuation and high signal shielding enable transmission lengths of up to 300 meters without signal amplification. The integration of an amplifier enables transmission lengths of up to 800 meters.

Cable reels available:

» 100 meters ring
» 500 meters drum

Technical data:

» Shielded
» Copper wire mesh
» High copper portion
» Very good transmission loss
» Coating material: 6.1 mm PVC white (available in black for large quantities)
» Inner conductor: 0.6 mm Cu
» Insulation: 3.7 mm PE. +/- 0,1
» Impedance level: 75 Ohm +/-3
» Capacity (pF/m): 67
» Reduction factor (v/c): 0.66
» Attenuation at 20°C (dB 100m): 1MHz - 1,1 | 5MHz - 2.5 | 10MHz - 3.5
» DC resistance: inner conductor: 63 outer conductor: 13
» Minimum bending radius: 30 mm
» Weight kg/km: +/-45
» Copper portion kg/km: 24
» Complies with RoHS (EN 2002/95 EG regarding freedom from hazardous substances)
» Made in Germany

COMBI CABLE
(VIDEO/POWER CABLE)
Item no.: 10816 & 10817

Save time and money with this combi cable (Made in Germany): It has a 2-core line, one for the video signal and the other for the power supply or the PTZ control signals. Thus, you need to lay only one cable. In combination, we recommend our high-performance power supply units for a maximum of 16 cameras. You can place it in central position - entirely without tangled cables. The cable has a medium resistance against oil, water, detergent, and UV light and is designed for temperatures between -20° and +70° C. The low attenuation and high signal shielding enable transmission lengths of up to 300 meters without signal amplification. The integration of an amplifier enables transmission lengths of up to 800 meters.

Cable reels available:

» 100 meters ring
» 250 meters drum

Technical data:

» 100 meters combi cable: video line RG59 plus 2-core power/control line
» Real double shielding: 2 lines connected in the middle
» Shielded
» Copper wire mesh
» High copper portion
» Very good transmission loss
» Coating material: 6.1 mm PVC white (available in black for large quantities)
» Inner conductor: 0.6mm Cu
» Insulation: 3.7mm PE. +/- 0,1
» Impedance level: 75Ohm +/-3
» Capacity (pF/m): 67
» Reduction factor (v/c): 0.66
» Attenuation at 20°C (dB 100m): 1MHz - 1.1 | 5MHz - 2.5 | 10MHz - 3.5
» DC resistance: inner conductor: 63 outer conductor: 13
» Minimum bending radius: 30 mm
» Weight kg/km: +/-98.5
» Copper portion kg/km: 38
» Complies with RoHS (EN 2002/95 EG regarding freedom from hazardous substances)
» Made in Germany

CAT7 NETWORK CABLE
Item no.: 10813, 10814, 10815

This is a top quality SLAN S/FTP 4PR AWG32/1 CAT7 cable made in Germany with excellent shielding.

SFTP is the new name according to ISO/IEC-11801 (2002)E: S/FTP (mesh), F/FTP (foil), SF/FTP (mesh+foil). It is structured like FTP, but with an additional metal overall shielding around the conductor bundles (Screened Foiled Twisted Pair). The overall shielding can be designed in foil or wire mesh or both. Acording to the currently applicable EN50173, these cables are designated with an F for a foil shield, an S stands for a copper mes shield, and SF stands for an overall shield made of foild and mesh. The solidity ration is more than 30 % to achieve sufficient shielding against low-frequency fields.

» Available lengths: 100, 500, 1000 meters

CAT7 NETWORK CABLE
(DUPLEX)
Item no.: 10821, 10822

This is a top quality SLAN S/FTP 4PR AWG32/1 CAT7 cable made in Germany with excellent shielding.

SFTP s the new name according to ISO/IEC-11801 (2002)E: S/FTP (mesh), F/FTP (foil), SF/FTP (mesh+foil). It is structured like FTP, but with an additional metal overall shielding around the conductor bundles (Screened Foiled Twisted Pair). The overall shielding can be designed in foil or wire mesh or both. Acording to the currently applicable EN50173, these cables are designated with an F for a foil shield, an S stands for a copper mes shield, and SF stands for an overall shield made of foild and mesh. The solidity ration is more than 30 % to achieve sufficient shielding against low-frequency fields.

» Available lengths: 100 and 500 meters

COMBI CABLE (PLUG&PLAY)

Item no.: *108152-108156*

Our ready-for-use Plug&Play combi cable enables the transmission of video and power in one line. The required connectors are pre-assembled. As the cable transmits the power for the camera, it is not necessary to labouriously install sockets at the camera's installation place. The appropriate power supply units are supplied with each camera.

» Plug&play video system cable (combi cable)
» Video line including pre-assembled BNC connectors plus 2-core power supply line
» Available lengths: 10, 20, 30, 40, 50 meters

BNC CRIMP TOOL

Item no.: *10819*

You need this tool to fix the crimp connectors with the BNC cable. We will provide you with instructions.

BNC CABLE STRIPPER

Item no.: *10828*

This cable stripper has - once set - three offset blades to cut every cable exactly in order to crimp our RG59 crimp connectors to fit quickly and easily.

» Exactly strips the cable in one try
» 3 integrated blades cut the cable connector-conformly
» Saves considerable time and installation effort

CCTV POWER SUPPLY UNIT FOR 8/16 CAMERAS

Item no.: *10802 & 10803*

The safest power supply for your professional camera installation. This power supply unit is available in two versions. The smaller model (12V 4A) supplies 8 cameras and the larger one (12V 8A) 16 cameras reliably with power. The equipment has a 220V curretn input and 8 or 16 respectively stabilized, overload and short-circuit protected 12V DC outputs with a total output of 4A or 8A respectively. The LED status indicator promptly informs about power failures of individual cameras. We recommend our combi cable (video+power line) for the installation.

» 220V input
» 8 / 16 stabilized, overload and short-circuit protected 12V DC outputs
» max. 4A / max. 8A
» LED status indicator promptly informs about power failure of individual cameras
» Dimensions: 21.5 x 32 x 5.9

DC CONNECTING CABLE (MALE/FEMALE)

Item no.: *10870 / 10869*

Connecting cable with DC connector

» Fits all surveillance cameras from our product range
» Ideal in connection with combi cable or our CCTV power supply units
» 2 meters long
» Video surveillance from one source

UPDATE

IN-WALL/BUILT-IN POWER SUPPLY UNIT 12V 1

Item no.: *10804*

This very small and high-performance built-in power supply unit is perfectly suited for all areas, where you have to do without customary power supply units for reasons of space or location. With its very small dimensions it is ideal for in-wall installations or the application in our weatherproof housings. 220V are connected to the top and the 12V camera is connected to the bottom.

» Voltage: 12V DC 500 mA
» Output performance: 12V DC
» Dimensions: 50x48x24 mm (L)x(W)x(H)
» Operating temperature: ~ - 25 ° ~+50 °C

12V 0.5A POWER SUPPLY UNIT

Item no.: *10801*

Stabilized DC12V 0.5A camera power supply unit with DC connector for our video cameras

UPDATE

12V 1.5A POWER SUPPLY UNIT

Item no.: *108011*

12V Power supply unit for our surveillance cameras

» 1500 mA
» Plug power supply unit for the socket
» DC: 5.5 x 2.5 mm
» Output: 12V 1.5A (18 W max.)
» Figure shows similar model

VGA02 CONVERTER FOR DIGITAL RECORDERS

Item no.: 10583

This adapter enables the representation of camera signals on PC monitors. Other sources like video outputs of recorders or wireless camera receivers can be connected too. The benefit of this converters is the BNC input, which makes it possible to position the monitor even at a greater distance from the recorder via a BNC cable.

» Resolution: 1.024x768
» Refesh rate max. 75Hz
» Connecting cable: BNC + 12V DC
» Power supply unit included in scope of delivery

PASSIVE POWER OVER ETHERNET (POE) ADAPTER

Item no.: 10800

Use this adapter to supply yoiur network cameras without your network supporting PoE. Simply plug your power supply unit and your router/switch to one end of the network line and the camera to the other end, which is thus directly supplied with power via the network cable. An extra socket to supply the camera with power on location is not required anymore.

RCA ADAPTER

Item no.: 10836

This RCA adapter (female to female) enables the connection of two RCA cables (male).

BNC ADAPTER

Item no. 10832

Adapter from BNC female to BNC female, required to connect 2 video lines.

BNC ADAPTER TO RCA CONNECTOR

Item no.: 10833

Use this adapter to connect BNC and RCA ports. It is required to connect a BNC cable e.g. to a television set.

BNC CONNECTOR TO RCA FEMALE JACK

Item no.: 10835

» Adapter from BNC female to RCA female
» Can be plugged to BNC cables, PC cards, cameras, and recorder inputs and outputsn

BNC-T ADAPTER

Item no.: 10831

T-adapter to split a BNC signal. 1 x BNC connector to 2 x BNC T-shaped female jack.

ANTENNA EXTENSION KIT

Item no.: 10784

This antenna extension kit is intended to improve the signal from the wireless cameras. You can either lay the antenna of the receivers e.g. to the outside at the house wall and thus "bypass" a wall; this improves the signal by up to 40 percent. Or you can lay the antenna of the wireless camera to the inside.

» Extends the antenna
» Up to 40% signal improvement
» 5 meters cable length
» SMA-BNC ports

PLUG-IN BNC CABLE

Item no.: 108130-108138

We supply customized plug-in cables upon request. Simply specify the required cable lengths on top of your order and we will supply the professional cable including connectors. Please bear in mind that you may lay the cable through drilled holes. In such a case, the pre-assembled connectors would hinder the installation. Then you should better order a cable reel and the appropriate crimp connectors and a crimping tool.

The cable has a medium resistance against oil, water, detergent, and UV light and is designed for temperatures between -20° and +70° C. The low attenuation and high signal shielding enable transmission lengths of up to 300 meters without signal amplification. The integration of an amplifier enables transmission lengths of up to 800 meters.

» Lengths available: 1, 5, 10, 15, 20, 25, 30, 40, 50 meters
» Other cable lengths available upon request

BNC CRIMP CONNECTOR

Item no.: 10818

These connectors are required for the BNC coaxial cable connections, with which you connect the cable cameras to the video cards or recorders. Thus, you can very easily make your own cable connections with these BNC crimp connectors. A bend protection is supplied.

- » BNC crimp connector for our surveillance camera cables
- » Robust connector with golden pin
- » Including bend protection (sleeve)
- » Inclduing instructions
- » We recommend our BNC crimping tool for crimping

500GB/1000GB/2000GB HARD DISK FOR LONG-TERM RECORDER

Item no.: 10585/10587/10588

SATA hard disk drives have quickly become the new standard. Manufacturers of motherboards equip their product nowadays with SATA input ports. Due to their considerably smaller cables, SATA hard disk drives provide for better circulation of air and less tangled cables in computer systems - compared to EIDE drives.

The difference in performance - EIDE drives offer data transmission rates of up to 100 MB/s, all SATA drives support data transmission rates of up to 3 Gb/s.

If you order a recorder with a hard disk drive, we install it at no extra charge!

YOU WERE LOOKING FOR SOMETHING PARTICULAR AND DID NOT FIND IT?

If you are looking for a product that our catalog does not list, please do not hesitate to contact us. We may possibly be able to offer you the product or a similar product anyway.

SECURITY DESIGN CONCEPT

We will gladly advice you in the planning and development of a comprehensive and customized security concept. Our consultants benefit from many years of experience and are available for various projects not only in person, but also free of charge, via our hotline, by e-mail, or in a counselling interview at our premises:

- » **Property security**
- » **Access and entrance control**
- » **Security of office and business spaces**
- » **Security of storage halls**
- » **Security and control of production processes**
- » **Surveillance of shops and business spaces**
- » **Surveillance of banks and service counter areas**
- » **Protection of private residential buildings**
- » **Surveillance of gas stations and license plate recognition**
- » **Monitoring of scientific experiments**
- » **Security in public transportation**
- » **Platform surveillance**
- » **Traffic security**
- » **Plant security**
- » **Security of underground car parks and parking decks**
- » **Protection of children and elderly people**
- » **Disguised preservation of evidence**
- » **Remote surveillance of holiday homes**
- » **Border protection**
- » **Anti-burglary protection**

PROJECT MANAGEMENT

The LUPUS-Electronics Project Management is a monitoring process we introduced to analyze and, if necessary, improve the approaches resulting from the design concept after our products were installed. In practice, that means that we can test and try various products for their individual fitness for the purpose and the local conditions at no costs involved. This way, you can be sure to have found the optimal and most economic security concept.

Get advice from your local retailer: