Hardware Description

Image sensor	High resolution colour 1/3" 3.0 megapixels CMOS sensor
ICR	Mechanical pivoted IR cut filter
Resolution	3MP(2048×1536)(2304×1296) / 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240)
Angle of vision	100° horizontally, 55° vertically, F2.0, 2.8mm
Night-vision rage	Up to 30 meters Up to 32 yards
Stream	Dual stream
SD-card slot	Yes, MicroSD up to 128 GB (not included)
Electronic shutter	Auto/manual, 1/3(4)s~1/100000s
Backlight compensation	BLC / HLC / DWDR
White balance and gain control	Auto/manual
Minimal lighting conditions	0. 1 Lux/F2.0 (colour), 0 Lux/F2.0 (IR on)
Wireless	Wi-Fi(IEEE802.11b/g)
Wi-Fi encryption	WEP, WPA-PSK,WPA2-PSK
WPS	-
Power over Ethernet (POE)	-
Power consumption	DC 12V ~ 4.6W (IR on)
Working environment	-30°C to +60°C; < 95% humidity -22F to 122F < 95% humidity
Dimensions	165mm (L) x 70mm ø; 6.49 inches (L) x 2.75 ø
Protection class	IP67 (weather proof)
Weight	490g (including packaging) 1.08 lbs (including packaging)

Live view

Stream selection	Mainstream / Substream
Protocol selection	TCP / UDP / Multicast
Digital zoom	Via mouse wheel
Snapshot	Take a snapshot of the livestream
Triple snapshot	Take three snapshots of the livestream
Record	Records the livestream of your local computer
Help menu	Help menu in the web ui explains the individual functions (question mark symbol)
Adjust image (livestream)	Brightness, contrast, hue, saturation
Image size	Original, adaptive, full-screen
Image transfer	Real-time, normal, adaptive

Playback menu

File type	mp4 / jpg
Data source	Internal SD-card
Search options	Month / year / calendar selection, colour-coded display if recordings are available on a certain day
Alternative search via data list	Lists all records of a selected day in tabular form
Additional information (data list)	Begin time, end time, file size
Backup	Direct download via the data list or selection via a scissors tool (individual selection of start and end time) in a timeline
Timeline	Colour coded display of records of a single day (midnight to midnight)
Filter options for the timeline	All, event, alarm, manual
Zoom function of the timeline	24h, 2h, 1h, 30m

Setup - camera

Profile management	Different profiles (day, night, normal) can be activated via a schedule
Profile - conditions	Each profile allows you to set-up different values for image, exposure, backlight compensation, gain, white balance, day&night switch, and IR lighting
Image settings	Mirror and flip the image in 90° steps
Video settings	Resolution, compression, frames per second, bit rate, bit rate type, I frame interval, watermark
Snapshot settings	Allows different settings for continuous or event triggered snapshots: image size (resolution), quality, interval (sec.)
Overlay	Privacy masking (four areas), camera name, date&time, text overlay
Path	Insert a path for records to your computer

Setup - Network

TCP/IP	Hostname, LAN/WLAN, DHCP or static IP, MAC address, IPv4, ARP ping, Easy4IP (P2P) on / off
Port	Up to 10 simultaneous connections (selectable between 1 and 20), TCP port, UDP port, HTTP port, RTSP port, HTTPS port, Flash port, ONVIF on/off
DDNS	On / off, Server: LUPUS (with automatic set-up), NO-IP, DYN-DNS, CN99
IP filter	Blacklist on / off
SMTP (E-Mail)	On / off, Mail receiver (up to three), Snapshot attachment (between 1 and 5), TLS / SSL encryption
UPNP	On / off, customized or default
Bonjour	On / off
Multicast	On / off for main- and substream
WiFi	On / off, add SSID, search SSID, display connection status
QoS	Real-time monitor, command
HTTPs	On / off, create certificate, certificate settings, certificate installation, installed certificate

Setup - Event

Motion detection	On / off, Schedule (0 - 24h), Monday - Sunday, holiday, 6 schedules
Area	4 areas (sensitivity and threshold are adjustable), intensity of a motion is displayed for easier setup
Tampering	On / off, schedule 0-24h, Monday - Sunday, holiday, 6 schedules, record on / off, record time after event (sec.), send E-Mail on / off, snapshot on / off
Abnormality	No SD card, SD card error, SD card capacity warning on / off, send E-Mail on / off Detect network disconnect, IP conflict on / off, record on / off, record time after event (sec.) Detect illegal access on / off, after 3 - 10 login attempts, send E-mail on / off

Setup - Storage

Schedule	6 record schedules for general (continuous) / motion detection / alarm record, Monday - Sunday, holiday, 0 - 24h 6 snapshot schedules for general (continuous) / motion detection / alarm record, Monday - Sunday, holiday, 0 - 24h Holiday settings record (on / off), snapshot (on / off)
Destination	Path for record and snapshot: local (SD card), FTP, or SMB Local: displays available local storage on the SD card, used / total capacity, read / write / read &write, hot swap FTP on / off, emergency storage on SD card on / off, server address, remote directory SMB on / off, server address, remote directory
Record control	Pack duration (1-5m), Pre-event record (0-5) seconds, action on full SD card: overwrite / stop record, record mode: auto / manual / off, record stream: mainstream / substream

Setup - System

General	Device name, language (German / English), Video standard (PAL / NTSC), status LED on / off Date & Time, format, time zone, system time, DST (daylight saving time), NTP server
Account	Anonymous login on / off, add user, groups, up to 20 user, shows user rights
Default	Load default settings / load factory default
Import / export	Import / Export a backup file of your settings
Maintenance	Automatic reboot on / off / day / time, automatic delete olf records after selectable amount of days, manual reboot
Upgrade	Select a file for firmware upgrade

Setup - Information

Version	Firmware version, Web, Onvif version and serial number

Log   Displays the log of the camera, search via calendar with selectable filters
Online user   Displays currently logged in users with IP address and login time

System requirements

Operating system   XP, 2003, Windows 7, Microsoft IE 6.0 or later
Recommended hardware   Intel Dual Core 1.66G, RAM: 1024MB, graphic card: 128MB
Required hardware   Intel-C 2,8G, RAM:512MB, graphic card: 64MB

Includes

LUPUSNET HD IP camera LE202   Software LUPUS SmartVision
Manual   Mains adapter 12V 1A
Weather protection for Ethernet connector