M10D-Night Technical Specifications Dual-Lens Day&Night IP Camera





M10D with SecureFlex wall mount

M10D: Megapixel IP Camera System With Integrated Recording

The M10D-Night has two integrated image sensors and two lenses. Depending on the current illumination. the camera automatically selects the color image sensor with daylight lens or the more light-sensitive B/W image sensor with IR lens to record the images.

The resolution of 1280 x 960 pixels is about twelve times as high as the CIF images from an analog camera. In VGA (640 x 480) and CIF (320 x 240) mode, the M10D-Night provides up to 4x zoom while creating minimal network load. Bidirectional audio, video motion detection in the image and a passive IR sensor are also part of the standard delivery. The integrated Ethernet, ISDN and RS232 interfaces provide access to all current IT standards, including GSM/GPRS/UMTS (3G).

Digital zoom, digital panning, video motion detection, event-controlled frame rates and freely selectable image sections reduce the storage requirements of the M10 to a minimum. The camera software features integrated alarm management including pre- and post-alarm images, FTP, e-mail, external ring buffer storage on Windows, Linux and Mac OS X computers as well as playback and MultiView functions for up to 30 cameras in the browser. Since the camera does not require additional heating. power can be supplied via the network or ISDN cabling.

Highlights

- In/Outdoor camera (IP65) with wall mount and fully concealed cabling
- Dual image sensors (two lenses), color and IR-sensitive B/W
- Integrated microphone and speaker
- Bidirectional IP & ISDN telephony
- Audio transmission to the browser
- Definable exposure zones
- Integrated video motion detection
- NightVision with up to 1 sec. exp. time
- Digital zoom and panning
- Video/audio recording and playback
- Software DVR for Windows/Linux/OS X
- Alarm management with pre- & postalarm images

audio) with 1.3 Mbit/s at 640x480 pixels Video Management Included

on Windows or Linux file servers

• Image size (320x240 JPEG): 6 to 20 KB

• Scheduled obscuring of image areas

• Internal image storage (up to 600 Mega, 2,500

Adj. number of pre- and post-alarm images

Browser playback with event search features

Integrated ring buffer recording by the camera

 Event-controlled Snap Shot image recording with pre- and post-event images

Event-controlled MxPEG recording (video and

VGA, 4,000 CIF images or 6 min. video)

• Event and time-controlled image storage

Image Storage Included

Recording Included

- Ring buffer with up to 1 million alarms on the PC/server (no software installation or FTP!!!)
- · Adjustable ring buffer size and delete time
- Image management with time/date search Definable MultiView for up to 30 cameras
- Freely definable function buttons
- Windows client with Layout Editor

Event/Alarm Control Included

- Freely definable time functions/repeats
- Passive IR motion detector, signal input
- Temperature, illumination, microphone volume
- Motion detection in definable video motion fields
- TCP/IP messages on IP ports (Ethernet and ISDN)

Alarm Signalling Included

- Signal output and sounds on camera speaker
- E-Mail and FTP via network and ISDN
- TCP/IP messages on IP ports (Ethernet and ISDN)
- Phone call (list & PIN test), with voice message

Audio SIP Telephony/VoIP

- Integrated microphone and speaker
- ISDN telephony (with PIN test)
- Voice-over-IP to/from Windows PC
- Custom voice messages easily recorded
- DHCP-assigned IP address on speaker
- Announcement of dynamic IP address via phone
- Touchtone remote control using phone keys
- Lip-synchronous audio recording (MxPEG)

Software Everything Included

- No software installation required
- Live images and admin. using web browser
- Complete video management software and recording integrated in camera software
- 4 simultaneous browser operating modes: HTML/JavaScript with M-JPEG, streaming (Java), ActiveX (MxPEG), PDA-optimized pages
- PDA interface with HTML-only pages
- · Website updates via FTP, also using ISDN
- Several cameras in one browser window
- Simultaneous ISDN dial-in/dial-out using PPP
- Freely definable user groups and access rights

Power Supply 3 Watts

- Power supply injected into cables, fully concealed cabling
- Ethernet: 24...32V DC; 3W power consumption

Mechanics Maintenance-Free

- Fiber-reinforced casing with weather protection
- Integrated wall/ceiling mount with fully concealed cabling
- Weight (incl. SecureFlex wall mount): 850 g
- Dimensions (incl. SecureFlex wall mount): 130 x 240 x 175 mm (w x d x h)

Characteristics

• Hardware resolution:

Two 1280 \times 960 CMOS, color and B/W Free software format with zoom/pan

• Frame/data rates for MxPEG video streaming (50% JPEG):

25 F/s CIF (320x240) 12 F/s VGA (640x480) 1.3 Mbps Mega (1280x960) 1.2 Mbps

• Day lens sensitivity (8 mm/2.0) 1 Lux at 1/60 sec., 0.05 Lux at 1 sec.

IR/Night lens sensitivity (8 mm/2.0)

0.2 Lux at 1/60 sec., 0.005 Lux at 1 sec. Audio codec

64 kBit ISDN and SIP (IP telephony)

• Temperature: -30° ... +60°C, IP 65

Dual Camera System 2.5 Megapixels

- Fully digital color CMOS image sensor with 1280x960 pixels and backlight correction
- Fully digital B/W CMOS image sensor with 1280x960 pixels and eight-times higher sensitivity than color sensor
- Two 8 mm standard wide-angle lenses: 5element glass lens 1:2.0, 45° horiz.
- Optional: Tele lens

Automatic Exposure Without Iris

- Auto exposure times from 0.1 msec. to 1 sec.
- Configurable min./max. shutter speeds
- Freely definable exposure windows
- Purely software-based control with exposure windows, white balance, automatic contrast, sharpness filter and backlight correction
- MOBOTIX TrueColor software
- · Individual exp. control for both image sensors

Image Formats and Frame Rates

- Color 1280x960, 640x480, 320x240, 160x120 Dual camera: 2560x960, 1280x480, 640x240
- Free image formats with zoom and panning (e.g. 1000x200 for skyline format)
- Image formats: JPEG, Motion JPEG, MxPEG, BMP
- Frame rate using MxPEG (320x240): 25 fps
- Frame rate using MxPEG (640x480): 12 fps

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the new face of IP video

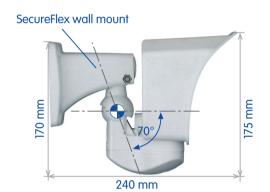


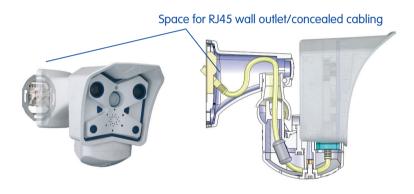




Mounting to ceiling

Outdoor wall mount with space for RJ45 wall outlet





L22 Fisheye 90°*

L32 Wide-angle*

L43 Wide-anale

L65 Tele*

L135 Tele



90° hor. x 67° vert. in 10 m: 20.0 x 13.3 m 60° hor. x 45° vert. in 10 m: 11.5 x 8.2 m 45° hor. x 34° vert. in 10 m: 8.2 x 6.1 m 31° hor. x 23° vert. in 10 m: 5.5 x 4.0 m 15° hor. x 11° vert. in 10 m: 2.6 x 1.9 m not available for M10

Overview M10 Standard Models (see price list for details)

• M10M-Sec-D43: Indoor/outdoor camera for mounting to ceiling or wall,

MEGA (1280x960), L43 lens

• M10M-Sec-D135: Indoor/outdoor camera for mounting to ceiling or wall,

MEGA (1280x960), L135 tele lens

• M10D-Sec-D43D135: Indoor/outdoor **Dual** camera for mounting to ceiling

or wall, MEGA (1280x960), L43 und L135 lenses

M10M-Sec-N43: Indoor/outdoor camera for mounting to ceiling or wall,

ASSA (1000-000) with P AM can assay and 140 large.

MEGA (1280x960), with **B/W** sensor and L43 lens

 M10D-Night-D43N43: Indoor/Outdoor Dual Day/Night camera (MEGA) with one color, one B/W sensor and two L43 lenses

M10D-Night-D135N135: Indoor/Outdoor Dual Day/Night camera (MEGA) with

one color, one **B/W** sensor and two L135 lenses

Standard Delivery Includes

- M10D-Night camera
- Camera with two camera modules
- one color, one B/W image sensor and two L43 lenses
- automatic Day/Night switching
- SecureFlex wall mount
- Ethernet cable 50 cm
- SecureFlex wall mount
 - Wall mount made of 30% fiberreinforced and shock-resistant PBT
 - Dowels and stainless steel screws

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