

# DualNight Camera M12



## Two Eyes. 100,000 Reasons.

MOBOTIX dual lens, day/night camera with two separate HiRes image sensors is successfully in use in over 100,000 installations worldwide. Brilliant color for the day and extremely light-sensitive black/white sensor for the night. The intelligent and robust professional solution from MOBOTIX with no moving parts!



### MOBOTIX HiRes video replaces up to 6 cameras ...

- Two separate image sensors for day and night-time operation
- Integrated DVR with HiRes video recording
- Permanently fixed lenses at factory for extremely simple installation
- Robust, low-maintenance and with concealed cabling
- Weatherproof from -30 to +60 °C (-22 to +140 °F), without need for heating (IP65)
- Digital continuous zoom, pan and tilt
- Integrated microphone, speaker and PIR motion detector

**... starting at \$1,198\* incl. video management software**

\*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Information subject to change without notice! • © MOBOTIX AG

#### M12 – HiRes Video Around The Clock

The M12 automatically selects – without high-maintenance mechanical switching – either the color sensor with daylight lens or the monochrome sensor with infrared lens for good real-color presentation during the day or high sensitivity at night.






# Technical Specifications M12



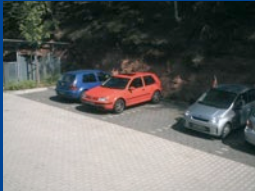




The HiRes Video Company **MOBOTIX**

| Technical Specifications M12 DualNight             |  |
|--|--|
| <b>Models</b>                                      | Web, IT, IT-DNight, Sec, Sec-DNight, Sec-R16   |
| <b>Lenses</b>                                      | 22 to 135 mm format, horizontal angle 90° to 15°   |
| <b>Sensitivity</b>                                 | Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s)<br>B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)  |
| <b>2 Sensors</b>                                   | 2 x 1/2" CMOS, progressive scan  |
| <b>Max. image resolution</b>                       | Color: 2048 x 1536 (3MEGA),<br>Black/White: 1280 x 960 (MEGA)  |
| <b>Image format</b>                                | 2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)   |
| <b>Max frame rate (M-JPEG) (Live/Recording)</b>    | VGA: 16 fps, TV-PAL: 12 fps, MEGA: 6 fps, 3MEGA: 4 fps   |
| <b>Video stream (MxPEG) (Live/Recording/Audio)</b> | VGA: 30 fps, TV-PAL: 24 fps, MEGA: 14 fps, 3MEGA: 10 fps   |
| <b>Image compression</b>                           | MxPEG, M-JPEG, JPEG, H.263 (only Video-VoIP)   |
| <b>Internal DVR</b>                                | SD card (up to 64 GB), 16 GB internal (Sec-R16)  |
| <b>External storage</b>                            | Directly on NAS and PC/Server without additional recording software  |
| <b>Software (inclusive)</b>                        | Video management software MxEasy, Control room software MxControlCenter  |
| <b>Image processing</b>                            | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)  |
| <b>Virtual PTZ</b>                                 | Digital Pan/Tilt/Zoom, continuous 8x zoom  |
| <b>Alarm/Events</b>                                | Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, PIR, notification over email, FTP, IP telephony (VoIP, SIP), ISDN, signal output, visual/acoustic alarm, pre- and post-alarm images      |
| <b>Audio</b>                                       | Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording   |
| <b>Interfaces</b>                                  | Ethernet 10/100, ISDN, RS232, 3 x In, 1 x Out  |
| <b>Video phone</b>                                 | VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification  |
| <b>Security</b>                                    | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature  |
| <b>Certificates</b>                                | EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)   |
| <b>Power supply</b>                                | Power over Ethernet (IEEE 802.3af; Class 0), with PoE switch/injector, typ. 4 W  |
| <b>Operating conditions</b>                        | IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)  |
| <b>Dimensions</b>                                  | WxDxL: 14.2 x 15.5 x 17 cm,<br>Weight: ca. 850 g (incl. SecureFlex wall mount)   |
| <b>Standard delivery</b>                           | Weatherproof housing (reinforced composites - PBT), white, SecureFlex wall/ceiling mount with turn/tilt mount and concealed cabling, covers RJ45 wall outlets, incl. 2 lenses, mounting parts, allen wrench, patch cable - 50 cm, manual, software |

Technical information subject to change without notice.

| M12 DualNight   | Available Accessories M12 DualNight   |  |   |  |
|---|---|--|---|--|
| <b>Standard Housing</b><br>MX-M12D-Sec-DNight<br> <ul style="list-style-type: none"> <li>DualNight camera with two separate image sensors for day and night-time operation</li> <li>Automatic day/night switching</li> </ul> | <b>Pole Mount</b><br>MX-MH-SecureFlex-ESWS<br> <ul style="list-style-type: none"> <li>3 mm stainless steel, white</li> <li>2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts</li> </ul> | <b>PoE-Injector</b><br>MX-NPA-PoE-Set<br> <ul style="list-style-type: none"> <li>Power supply from electrical power and battery (12-42 V)</li> <li>For direct PC connection without a switch thanks to integrated crossover function</li> </ul> | <b>CamIO Extension Module</b><br>MX-CAMIO-PoE<br> <ul style="list-style-type: none"> <li>Interface for the connections of ext. sensors, devices (door contact, light, etc.)</li> <li>2 x relays (230V/500W), 2 x input, backup, audio</li> </ul> | <b>ExtIO Extension Module</b><br>MX-ExtIO<br> <ul style="list-style-type: none"> <li>Microphone/Speaker</li> <li>PIR sensor for motion detection, temperature sensor</li> <li>2 signal inputs, 2 signal outputs, 2 illuminated buttons</li> </ul> |

|        | L22 Super Wide Angle 90°  | L32 Wide Angle 60°  | L43 Wide Angle 45°  | L65 Tele 31°   | L135 Tele 15°   |
|--------|---|---|---|--|---|
| Lenses |  |  |  |  |  |
|        | approx. 90°H x 67°V<br>at 10 m appr: 20.0 x 13.3 m                                  | approx. 60°H x 45°V<br>at 10 m appr: 11.5 x 8.2 m                                   | approx. 45°H x 34°V<br>at 10 m appr: 8.2 x 6.1 m                                    | approx. 31°H x 23°V<br>at 10 m appr: 5.5 x 4.0 m                                     | approx. 15°H x 11°V<br>at 10 m appr: 2.6 x 1.9 m                                      |

\* not for M12 models

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