

# 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



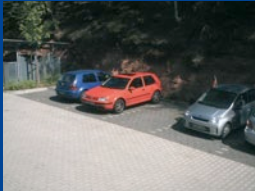




The HiRes Video Company **MOBOTIX**

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) 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), 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, 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> MX-M12D-Sec-DNight  <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> MX-MH-SecureFlex-ESWS  <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> MX-NPA-PoE-Set  <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> MX-CAMIO-PoE  <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> MX-ExtIO  <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 at 10 m appr: 20.0 x 13.3 m	approx. 60°H x 45°V at 10 m appr: 11.5 x 8.2 m	approx. 45°H x 34°V at 10 m appr: 8.2 x 6.1 m	approx. 31°H x 23°V at 10 m appr: 5.5 x 4.0 m	approx. 15°H x 11°V at 10 m appr: 2.6 x 1.9 m

\* not for M12 models

## 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.