

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 cable duct
- 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

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

Technical Specifications M12 DualNight	
Models	Web, IT, IT-DNight, Sec, Sec-DNight, Sec-R8
Lenses	22 to 135 mm format, horizontal angle 90° to 15°
Sensitivity	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)
2 Sensors	2 x 1/2" CMOS, progressive scan
Max. image resolution	Color: 2048 x 1536 (3Mega), Black/White: 1280 x 960 (Mega)
Image format	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)
Max frame rate (M-JPEG) (Live/Recording)	VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps
Image compression	MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony)
Internal DVR	Slot for SD card (up to 16 GB)
External storage	Directly on NAS and PC/Server without additional recording software
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)
Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Alarm/Events	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
Audio	Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording
Interfaces	Ethernet 10/100, USB, ISDN, RS232, 1 x In, 1 x Out, Audio Line-In/Line-Out
Video/Telephony	VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification
Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection
Certificates	BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE
Power supply	Year-round Power over Ethernet (IEEE 802.3af; Class 0), Netpower-Adapter, typ. 2,5 W
Operating conditions	IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F)
Dimensions	WxDxL: 14,2 x 15,5 x 17 cm, Weight: ca. 850 g (incl. wall mount)
Standard delivery	Weatherproof housing (reinforced composites - PBT-30GF), 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, manual, software

Technical information subject to change without notice!

M12 DualNight	Available Accessories M12 DualNight				
Standard Housing MX-M12D-Sec-DNight  <ul style="list-style-type: none"> DualNight Camera with two separate image sensors for day and night-time operation automatic day/night switching 	Wall/Ceiling Mount MX-WH-SecureFlex  <ul style="list-style-type: none"> concealed cabling covers RJ45 wall outlets 	Pole Mount MX-MH-SecureFlex-ESWS  <ul style="list-style-type: none"> 3 mm stainless steel, white 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts 	Power-Adapter-Set MX-NPA-Set-DE  <ul style="list-style-type: none"> Power supply over PoE All camera models (MX30V) 	CamIO Extension Module MX-CAMIO-AC-230  <ul style="list-style-type: none"> Interface for the connections of ext. sensors, devices (door contact, light, etc.) 2 x relays (230V/500W), 2 x input, backup, audio 	ExtIO Extension Module MX-ExtIO  <ul style="list-style-type: none"> Microphone/speaker PIR sensor for motion detection, temperature sensor Integrated switch functions

	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

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*not for M12 models