



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 $+60^{\circ}\text{C}$ (-22° to $+140^{\circ}\text{F}$), without need for heating (IP65)
- Digital continuous zoom, pan and tilt
- Integrated microphone, speaker and PIR motion detector

... starting at 1098 €* incl. video management software

HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost efficient.

MOBOTIX AG • D-67657 Kaiserslautern • Tel: +49-631-3033-103 • Fax: +49-631-3033-190 • sales@mobotix.com

HiRes
3 Megapixel
2048 x 1536
software zoom

Skyline
Format free
each image format
freely definable

30 Frames/s
VGA (640 x 480)
12 F/s Mega

Virtual PTZ
digital pan, tilt,
zoom

Backlight
safe using CMOS
without mechanical iris

Internal DVR
internal via SD card,
external via Network

Win/Lin/Mac
Recording
via Network on PC
up to 1 Terabyte

microphone & speaker
Audio
bi-directional via IP,
variable framerates

SIP-Client with video
IP-Telephony
alarm notify,
cam remote control

Video motion
multiple windows
precision pixel-based

-22°F ... $+140^{\circ}\text{F}$
Weatherproof
 -30° ... $+60^{\circ}\text{C}$, IP65
no heating necessary

IEEE 802.3af
PoE
network power
even in winter

Robust
no moving parts
fiber glass housing

MxCC
Licence free
Video-Management-
Software







Technical Specifications M12 DualNight

Models	Web, IT, IT-DNight, Sec, Sec-DNight, Sec-R8	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, notification over email, FTP, IP-Telephony (VoIP, SIP), visual/acoustic alarm Pre- and post-alarm images
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)	Audio	Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording
2 Sensors	2 x 1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, USB, ISDN, USB, RS232, 1 x In, 1 x Out, Audio Line-In/Line-Out
Max. image resolution	Color: 2048 x 1536 (3Mega), Black/White: 1280 x 960 (Mega)	Audio/Telephony	VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification
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)	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection
Max. frame rate (M-JPEG) (Live/Recording)	VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps	Certificates	BGV C9 ("UVV"), EMV (living environments, industry), EN 50155 (shock, vibration, temperature), CE, FCC
Max. Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps	Power supply	Year-round power over Ethernet (IEE 802.3af, Class 0), Netpower-Adapter, typ. 2,5 W
Image compression	MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony)	Operating conditions	IP65 (DIN EN 60529), -30° bis +60 °C (-22°F to +140°F)
Internal DVR	Slot for SD card (up to 16 GB)	Dimensions	WxDxL: 14,2 x 15,5 x 17 cm, Weight: ca. 850 g (incl. wall mount)
External storage	Directly on NAS and PC/Server without additional recording software	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
Software (inclusive)	Video-Management-Software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

M12 DualNight

Available Accessories M12 DualNight

Standard Housing MX-M12D-Sec-DNight	Wall/Ceiling Mount MX-MH-SecureFlex	Pole Mount MX-MH-SecureFlex-ESWS	Power-Adapter-Set MX-NPA-Set-DE	CamIO Extension Module MX-CAMIO-AC-230	ExtIO Extension Module MX-ExtIO
 <ul style="list-style-type: none"> • DualNight Camera with two separate image sensors for day and night-time operation • automatic day/night switching 	 <ul style="list-style-type: none"> • concealed cabling • covers RJ45 wall outlets 	 <ul style="list-style-type: none"> • 3 mm stainless steel, white • 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts 	 <ul style="list-style-type: none"> • Power supply over PoE • All camera models (MX30V) 	 <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 	 <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

* not for M12 models

HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost efficient.

MOBOTIX AG • D-67657 Kaiserslautern • Tel: +49-631-3033-103 • Fax: +49-631-3033-190 • sales@mobotix.com