



THE INTELLIGENT SECURITY, AUTOMATION AND OH&S CAMERA SOLUTION

Mobotix M12 IP – CCTV cameras feature a wide operating temperature with IP65 rating. No moving parts make them ideal for outdoor or harsh environmental applications such as above or underground mining, electricity utilities and general manufacturing. Dual Day and Night Megapixel image sensors provide exceptional colour images for the day and provide the highest sensitivity at night.



MOBOTIX M12 REDUCES COSTS AND IMPROVES RELIABILITY

- IP65 rating requires no additional heating or housing
- Wide temperature operation -30 ° to 60 ° C
- PoE (Power over Ethernet)
- Intelligent Camera with Video Motion Detection and Event Trigger
- 3 Megapixel resolution
- Day and Night Image Sensor
- Integrated DVR
- Software Included
- Integration with Citec & Wonderware SCADA Software

HiRes Video Innovations

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

HiRes
3 Megapixel
2048 x 1536
software zoom

Skyline
Format free
each image format
freely definable

30 Frames/s
VGA (640 x 480)
12F/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° ... +140°F
Weatherproof
-30° ... +60°C, IP65
no heating necessary

IEEE 802.3af
PoE
network power
even in winter

Robust
no moving parts
fibre glass housing

MxCC
Licence free
Video-Management
Software

TECHNICAL SPECIFICATIONS FOR M12 OUTDOOR DUAL LENS

Models	Web, IT, 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	Colour: 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/SD, USB, RS232 1 x In, 1 x Out, Audio (Line-In/Line-out)
Max. image resolution	Colour 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 to +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. 850g (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 MxContolCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

M12 OUTDOOR	AVAILABLE ACCESSORIES FOR M12 OUTDOOR				
Standard Housing MX-M12D-Sec-DNIGHT  <ul style="list-style-type: none"> •DualNight Camera with 2 separate image sensors for day and night-time operation •Automatic day/night switching 	IP67 Connectors for Fibre & Copper  <ul style="list-style-type: none"> •IP67 rated heavy duty connectors for industrial environments 	Pole Mount MX-MH-SecureFlex-ESWS  <ul style="list-style-type: none"> •3mm stainless steel, white •2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts 	Industrial PoE Switch Moxa EDS-P308-T  <ul style="list-style-type: none"> •High Temperature •8 Port PoE Switch •Provides up to 15.4 watts at 48 VDC per PoE port 	Power-Adapter-Set MX-NPA-Set-DE  <ul style="list-style-type: none"> •Power supply over PoE •All camera models (MX30V) 	ExtIO Extension Module MX-Ext10  <ul style="list-style-type: none"> •Microphone/speaker •PIR sensor for motion detection, temperature sensor •Integrated switch functions

	L22 Super Wide Angle 90°	L43 Wide Angle 45°	L135 Tele 15°
Lenses			
	approx. 90°H x 67°V at 10 m appr: 20,0 x 13,3 m	approx. 45°H x 34°V at 10 m appr: 8,2x 6,1 m	approx. 15°H x 11°V at 10 m appr: 2,6 x 1,9 m