

Creative Solution M12-DevKit



The HiRes Video Company

MOBOTIX



Your Ideas. Our Solution.

M12 DevKit is the ideal solution for all non-standard applications. It is a high-resolution dual IP camera that has been designed specifically for customized, concealed installations. With the M12 DevKit, there are no limits to your ideas.



MOBOTIX HiRes video replaces up to 6 cameras ...

- Dual-camera module system for individual built-in solutions
- Up to two separately linked, freely selectable image sensors
- Optional: MxLink extension set with 1 meter cable
- Integrated DVR functionality: slot for SD card
- Digital continuous pan, tilt and zoom
- Integrated microphone and loudspeaker
- Video management software download free of charge

For Even Greater Flexibility: MxLink

The sensor boards are located separately from the camera board. The new, optional MxLink extension set makes it now possible to position any image sensor up to one meter (3.3 feet) away from the camera.

Information subject to change without notice

- 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
- VideoMotion**
Multiple windows precision pixel-based
- 22°F ... +140°F
Weatherproof
-30° ... +60°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

* 2/2009 • MSRP (Manufacturer's suggested retail prices) • Prices ex-works Wimmweiler, Germany (EXW) • Excluding VAT and any other handling charges

Technical Specifications M12-DevKit

Models	Sec	Virtual PTZ	Digital pan/tilt/zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°, CS lenses can also be used (see CS adapter)	Alarm/Events	Events are triggered by integrated multi-window motion detection, external signal, temperature sensor, pre- and post-alarm images, notification via e-mail, FTP, telephony (VoIP, SIP), ISDN, visual/acoustic alarm or switching output
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 loudspeaker, line-in/line-out, lip-synchronous audio and audio recording
Sensor	1x or 2 x 1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, ISDN, USB, RS232, 1x In, 1x Out, Audio Line-In/Line-Out, emergency power supply
Max. image resolution	Color: 2048 x 1536 (3Mega), Black/white: 1280 x 960 (Mega)	Video/Telephony	VoIP/SIP, two-way speaker, remote control of camera in- and outputs, event display
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	EMC (living environments, industry, rail), CE, FCC
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps	Power supply	Power over Ethernet (IEEE 802.3af; Class 0)
Image compression	MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony)	Operating conditions	IP65 (DIN EN 60529), -30° to +60°C, (-22° to +140°F)
Internal DVR	Slot for SD card (max. 16 GB)	Dimensions	WxDxH: 14.8 x 5.1 x 21.1 cm, weight: approx. 610 g (DevKit + housing), approx. 100 g, (board)
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Transparent board housing, software manual, patch cable, assembly key, mounting screws. Sensor boards, lenses and MxLink must be ordered separately!
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

M12-DevKit

Available Accessories M12-DevKit

DevKit in protective housing MX-M12-DevKit-Board  <ul style="list-style-type: none"> Dual-camera board Up to two image sensors Day and night operation Protective housing (IP65) 	DevKit extension (1m) Mx-Link-1  <ul style="list-style-type: none"> DevKit extension set; extending the sensor connection up to 1 m Tx module, Rx module and 1 m connection cable 	Sensor boards (M14) Color: MX-M12-DevKit-C B/W: MX-M12-DevKit-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 Sensitivity: 1-0.05 lux B/W sensor: 1280x960 Sensitivity: 0.1-0.005 lux M14 lens mount 30 cm ribbon cable (12") 	Sensor in aluminum block (M14) MX-M12-DevKit-M14-C MX-M12-DevKit-M14-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 M14 lens mount Aluminum block 30 cm ribbon cable (12") 	Sensor in aluminum block (CS) MX-M12-DevKit-CS-C MX-M12-DevKit-CS-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 CS lens mount Aluminum block 30 cm ribbon cable (12") 	CSVario lens MX-OPTCS-L24-54  <ul style="list-style-type: none"> Vario lens, in connection with sensor in aluminium block (CS) Corresponds roughly to a 24 to 54 mm camera
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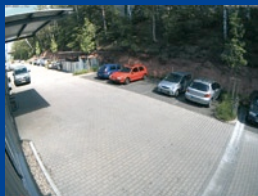
L22 Super Wide Angle 90°

L32 Wide Angle 60°

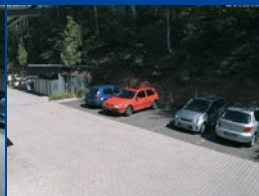
L43 Wide Angle 45°

L65 Tele 31°

L135 Tele 15°



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

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.

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