DevKit

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 with two separate image sensors 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

... starting at 1098 €* **(DevKit board incl. protective housing, 1 sensor & 1 lens)**

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Langmeil, Germany (EXW) • Excluding VAT and any other handling charges • Information subject to change without notice! •

www.mobotix.com

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-67722 Langmeil • Tel: +49 6302 9816-103 • Fax: +49 6302 9816-190 • sales@mobotix.com

Technical Specifications M12-DevKit

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Technical Specifications M12-DevKit

Models	Sec
Lenses	22 to 135 mm format, horizontal angle 90° to 15°, CS lenses can also be used (see CS adapter)
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)
Sensor	1x or 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, JPEG, H.263 (only Video-VoIP)
Internal DVR	SD card (up to 32 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	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
Audio	Integrated microphone and loudspeaker, line-in/line-out, lip-synchronous audio and audio recording
Interfaces	Ethernet 10/100, ISDN, RS232, 3 x In, 1 x Out
Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Certificates	EMC (living environments, industry)
Power supply	Power over Ethernet (IEEE 802.3af; Class 0)
Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C, (-22 to +140 °F)
Dimensions	WxDxH: 14.8 x 5.1 x 21.1 cm, Weight: approx. 610 g (DevKit + housing), approx. 100 g (board)
Standard delivery	Transparent board housing, software manual, patch cable, assembly key, mounting screws, sensor boards, lenses and MxLink must be ordered separately!

Technical information subject to change without notice!

M12-DevKit

DevKit in protective housing

MX-M12-DevKit-Board

- Dual-camera board
- Up to two image sensors
- Day and night operation
- Protective housing (IP65)

Available Accessories M12-DevKit

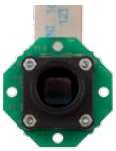
DevKit extension (1m)

MX-Link-1

- 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



- Color sensor: 2048x1536 Sensitivity: max. 0.05 lux (1/1 s)
- B/W sensor: 1280x960 Sensitivity: max. 0.005 lux (1/1 s)
- M14 lens mount
- 30 cm ribbon cable (12")

Sensor in aluminum block (M14)

MX-M12-DevKit-M14-C
MX-M12-DevKit-M14-BW

- 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

- Color sensor: 2048x1536
- B/W sensor: 1280x960
- CS lens mount
- Aluminum block
- 30 cm ribbon cable (12")

CSVario lens

MX-OPTCS-L24-54

- Vario lens, in connection with CS lens mount
- Corresponds roughly to a 24 to 54 mm camera

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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