Creative Solution M12-DevKit

The HiRes Video Company

MOBOTIX

MxLink
1 m cable

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)

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 • Sydney NSW • Phone: +61-2-8507-2000 • Fax: +61-2-8507-2001 • au-info@mobotix.com
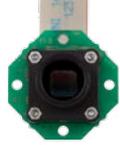
Technical Specifications M12-DevKit

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)		
Sensor	1x or 2 x 1/2″ CMOS, progressive scan	**Audio**	Integrated microphone and loudspeaker, line-in/line-out, lip-synchronous audio and audio recording
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/white: 1280 x 960 (Mega)	**Interfaces**	Ethernet 10/100, ISDN, RS232, 3 x In, 1 x Out
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)	**Video phone**	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Max frame rate (M-JPEG) (Live/Recording)	VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3MEGA: 4 fps	**Security**	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3MEGA: 10 fps	**Certificates**	EMC (living environments, industry)
Image compression	MxPEG, M-JPEG, JPEG, H.263 (only Video-VoIP)	**Power supply**	Power over Ethernet (IEEE 802.3af; Class 0)
Internal DVR	SD card (up to 32 GB)	**Operating conditions**	IP65 (DIN EN 60529), -30 to +60 °C, (-22 to +140 °F)
External storage	Directly on NAS and PC/Server without additional recording software	**Dimensions**	WxDxH: 14.8 x 5.1 x 21.1 cm, Weight: approx. 610 g (DevKit + housing), approx. 100 g (board)
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter	**Standard delivery**	Transparent board housing, software manual, patch cable, assembly key, mounting screws, sensor boards, lenses and MxLink must be ordered separately!
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

M12-DevKit — Available Accessories 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)

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

Lenses

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

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