



M16 AllroundDual

Professional Outdoor Dual Lens Camera



True to the original: The weatherproof, robust successor to our successful MOBOTIX dual camera features interchangeable sensor modules as well as the latest MOBOTIX system technology. As a result, it remains totally unique in terms of performance, functionality and design.

- **High-Performance Dual Lens Camera for Use Around the Clock**
Automatic switchover from day to night sensor system
- **Modular System for Maximum Flexibility**
Sensors and lenses can easily be customised with interchangeable sensor modules for self-assembly
- **Powerful, Intelligent and Flexible Mx6 System Platform**
Simultaneous streaming of up to three video codecs (MxPEG, MJPEG and H.264)
- **Intelligent 3D Motion Detection**
MxActivitySensor integrated as standard
- **Reduced Energy Costs**
Power consumption < 7 W, standard PoE
- **Virtually Maintenance-Free**
Weatherproof, IP66, -30 to 60°C



SPECIFICATIONS

CAMERA VARIANTS

- M16 Day, M16 Night : Modular system: M16 Body Mx-M16A with one or two sensor modules of choice
- M16 Day & Night : M16 Sets with two factory assembled sensor modules

LENSES, SENSORS (INTEGRATED INTO SENSOR MODULES) (NIGHT VERSION OPTIONALLY WITH LONG-PASS FILTER (LPF))

- B016 (180° x 180°) : Fisheye Lens (Day, Night)
- B036 (103° x 77°) : Ultra Wide Lens (Day, Night, Day & Night)
- B041 (90° x 67°) : Super Wide Lens (Day, Night, Day & Night)
- B061 (60° x 45°) : Wide Lens (Day, Night, Day & Night)
- B079 (45° x 34°) : Standard Lens (Day, Night, Day & Night)
- B119 (31° x 23°) : Tele Lens (Day, Night, Day & Night)
- B237 (15° x 11°) : Distant Tele Lens (Day, Night, Day & Night)
- B500 (8° x 6°) : Super Tele Lens (Day, Night)

HARDWARE

- Image sensor with individual exposure zones : M16 Day: Color; M16 Night: Black & White (B/W); M16 Day & Night: Color & B/W
- Light sensitivity in lux at 1/60 s and 1/1 s : M16 Day: 0.1/0.005; M16 Night: 0.02/0.001; M16 Day & Night: 0.1/0.005 (Color), 0.02/0.001 (B/W)
- Image sensor (color or B/W sensor) : 1/1.8" CMOS, 6MP (3072 x 2048), Progressive Scan
- Microprocessor : i.MX 6 Dual Core incl. GPU(1 GB RAM, 512 MB Flash)
- H.264 Hardware Codec : Yes, bandwidth limitation available; output image format up to QXGA
- Protection class M16 Body : IP66 and IK07
- Protection class M16 with 6MP sensor modules : IP66 with all modules; IK04 with B036 to B237; IK07 with B016
- Intended use : Not for use in hazardous areas (Ex area)
- Ambient temperature (range, incl. storage) : -30 to 60°C
- Internal DVR, ex works : 4 GB (microSD)
- Microphone/speaker : Yes/Yes
- 16bit/16kHz HD wideband audio (Opus codec) : Yes (live & audio messages)
- Passive infrared sensor (PIR) : Yes
- Temperature sensor : Yes
- Shock detector (tamper detection) : Yes (with future software update)
- Power consumption (typical) : < 7 watts
- PoE Class (IEEE 802.3af) : Class 2 or 3 (variable), factory setting: class 3
- Interfaces Ethernet 100BaseT/MxBus/USB : Yes (MxRJ45)/No/Yes
- Interface RS232 : With accessory (MX-232-IO-Box)
- Mounting options : Wall, pole or ceiling (wall and ceiling mount included)
- Dimensions Mx-M16A (height x width x depth) : 210 x 158 x 207 mm
- Weight Mx-M16A : 1.160 g
- Housing : PBT-30GF, color: white
- Standard accessory : Screws, Dowels, Screw caps, 2 Allen wrenches, Module key, VarioFlex wall and ceiling mount with rubber sealing, 0.5 m Ethernet patch cable, 1 Blind module, Quick install
- MTBF : > 80,000 hours
- Certifications : EN55032:2012; EN55022:2010; EN55024:2010; EN50121-4:2015; EN61000-6-1:2007; EN 61000-6-2:2005; EN61000-6-3:2007+A1:2011; EN61000-6-4:2007+A1:2011; AS/ NZS CISPR22:2009+A1:2010; CFR47 FCC part15B
- Protocols : IPv4, IPv6, HTTP, HTTPS, FTP, SFTP, RTP, RTSP, UDP, SNMP, SMTP, DHCP (client & server), NTP (client and server), SIP (client & server) G.711 (PCMA and PCMU) and G.722

IMAGE FORMATS, FRAME RATES, IMAGE STORAGE

- Available video codecs : MxPEG/MJPEG/H.264
- Image formats : Freely configurable format 4:3, 8:3, 16:9 or customised format (Image Cropping), such as 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA)
- Multistreaming : Yes
- Multicast stream via RTSP : Yes
- Max. image format : 2x 6MP (6144 x 2048) (dual image from both sensors)
- Max. frame rate (fps, only single core used) : MxPEG: 42@HD(1280x720), 34@Full-HD, 24@QXGA, 15@5MP, 12@6MP, 6@2x 6MP
MJPEG: 26@HD(1280x720), 13@Full-HD, 9@QXGA, 5@5MP, 4@6MP, 2@2x 6MP
H.264: 25@Full-HD, 20@QXGA
- No. of images with 4 GB microSD (internal DVR) : CIF: 250,000, VGA: 125,000, HD: 40,000, QXGA: 20,000, 6MP: 10,000



SPECIFICATIONS

GENERAL FUNCTIONS

- Digital zoom and pan : Yes
- ONVIF compatibility : Yes, complete ONVIF Profile S supported by future software update
- Genetec protocol integration : Yes
- Programmable exposure zones : Yes
- Snapshot recording (pre/post-alarm images) : Yes
- Continuous recording with audio : Yes
- Event recording with audio : Yes
- Time controlled flexible event logic : Yes
- Weekly schedules for recordings and actions : Yes
- Event video and image transfer via FTP & email : Yes
- Playback and Quad View via web browser : Yes
- Bidirectional audio in browser : Yes
- Animated logos on the image : Yes
- Master/Slave functionality : Yes
- Privacy zone scheduling : Yes
- Customised voice messages : Yes
- VoIP telephony (audio/video, alert) : Yes
- Remote alarm notification (network message) : Yes
- Programming interface (HTTP-API) : Yes
- DVR/Storage Management : Inside camera via microSD card,
Externally via USB device and NAS,
Different streams for live image and recording,
MxFFS with archive function,
Pre-alarm and post-alarm images,
Monitoring recording with failure reporting
- Camera and data security : User and group management,
SSL connections,
IP-based access control,
IEEE802.1x,
Intrusion detection,
Digital image signature
- MxMessageSystem : Yes (Sending and receiving of MxMessages)

VIDEO ANALYSIS

- Video motion sensor : Yes
- MxActivitySensor : Yes

VIDEO MANAGEMENT SOFTWARE

- MxManagementCenter : Yes
- Mobile MOBOTIX App : Yes

Why Rising Connection is using equipment designed and built by Mobotix?

- Amongst the most efficient and high quality images available over IP when used with wireless services.
- Energy efficiency and Environmentally responsibly designed with full lifecycle program for returning to manufacture if no longer required.
- Is built with the highest of German engineering standards, designed to be able to withstand the extremes of the Australian Environment.
- Lifetime free firmware and software upgrades.
- Camera of choice for many Australian government and law enforcement agencies.
- World leading optics and no mechanical moving parts, designed to last.
- All inclusive cost with inbuilt storage and world class software management suite making it the best value for money longterm.

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.
