

1 MOBOTIX AG

Company Information

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1.1 M16B Complete Cam 6MP, 2x B061 (Day & Night)



Product Designation:
M16B AllroundDual

Mx Ordercode:
Mx-M16B-6D6N061

EAN Code:
4047438030946

Hardware Version:
BV4 DTC

Model Variants:
Sec

Standard Accessory:
Screws, dowel, Screw cover, 2x Allen wrench, Lens wrench, ceiling mount, rubber seiling, 0,5m Ethernet cable, Blindmodul, Quick Installer

Intro Product:
IP camera set with two installed sensor modules •• ONVIF-compliant Mx6 system platform (2nd generation) with H.264, MxPEG+ and M-JPEG •• Image sensors (via sensor module): 1/1.8" CMOS, 6 megapixels, 1x day and 1x night •• HD premium lenses (via sensor module): 2x B061 wide-angle (f/1.8, horizontal image angle 60°) •• Max. image size (per image sensor): 6MP (3072 x 2048 pixels) •• IP66, -40 to 60°C (-40 to 140°F) •• Internal DVR: 4 GB microSD •• Camera components: speaker and microphone (inside housing), PIR sensor, temperature sensor, MxActivitySensor, shock detector •• VarioFlex wall/ceiling mount (can be used with additional pole mount: MX-MH-SecureFlex-ESWS), ethernet patch cable 0.5 m/1.65 ft •• Interfaces: Ethernet 10/100 (RJ45), MxBus, USB; IO and RS232 via additional MX Interface Box

Intro Web:
M16B Outdoor dual lens camera day/night with 2 sensor modules B061 (60° x 45°)

Camera Type:
Box-Camera

Dual Camera:
Yes

Manual Lens Alignment:
Yes

Microphone:
Yes

Speaker:
Yes

Application Area:
Indoor
Outdoor

MxBus:
Yes

Housing Shape:
Fixed Network

Housing Color:
White

Housing Material:
PBT-30GF

Tamper Detection:
Yes

Camera and data security:

- User/Group management
- SSL
- IP address filter
- IEEE802.1x
- Intrusion Detection
- digital image signature
- MxFFS

Camera Software (From Version):
5.1.0.x

Software Features:

- Multistreaming
- Multicast
- vPTZ
- Programmable exposure windows
- Single-frame capture
- Full featured recording (MxFFS Archive, continuous recording, full image recording with audio)
- Time and event controlled recording
- Weekly scheduled arming considering holy days
- Web functionality
- Logo generator
- Linked event logic
- Master/slave arming
- Several time-controlled privacy zones
- Custom voice messages
- VoIP phone
- Remote control
- Program interface/HTTP-API
- Secure FTP

Instructions:
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Interfaces:

- Ethernet 100BaseT (MxRJ45)
- MiniUSB (MxMiniUSB)
- MxBus

Signal Input:
via Accessory (MX-232-IO-Box)

Signal Output:
via Accessory (MX-232-IO-Box)

RJ45 Ethernet Connectors:
1

Weight Packaging (g):
2,400

Height Packaging (mm):

180

Width Packaging (mm):
196

Length Packaging (mm):
296

Volume Packaging (l):
10.4429

Material Packaging:
cardboard box, styrofoam

Height Product:
210

Width Product (mm):
158

Depth Product (mm):
207

Diameter Product (mm):
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Weight Product (g):
1,400

Status LED:
2 (Multi-color)

Controls:
1 Button

Power Consumption (W):
Typ. 7.5 W
Power consumption increases due to connected consumers:
- MxBUS max. 3 W
- USB max. 2.5 W
- total max. 4 W

Power Supply:
- PoE IEEE 802.3af
- PoE-Class 2/3 adjustable
- Factory Setting Class 3

Intended Use:
No EX area; Wall/ ceiling mounting

Ambient Temperature (°C):
-40...+60 °C (-40 ... 140 °F; Operational temperature)
Cold start at -30 °C (-22 °F)

IP Class:
IP66

IK Class:
IK04

Certificates:

- 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

MTBF (h):

80,000

PIR:

Yes

Audio:

Microphone/Loudspeaker, both 16bit/16kHz (HD-Wideband-Audio)

DVR:

- Camera-internal via microSD card
- External on USB device
- External on NAS
- Full image recording regardless of live image zoom
- MxFFS
- Pre-alarm and post-alarm images
- DVR monitoring with error notification

Video Phone:

Yes

Intelligent Video Analysis:

- MxActivitySensor, video motion analysis
- Alarming via email, FTP, VoIP, speaker

Protocols:

IPv4, IPv6, HTTP, HTTPS, FTP, FTPS, RTP, RTSP, UDP, SNMP, SMTP, DHCP (Client or Server), NTP (Client and Server), SIP (Client and Server) G.711 (PCMA and PCMU) and G.722

Ethernet:

MxRJ45

Environmental Sensors:

- temperature sensor
- noise sensor
- PIR (passive infrared sensor)
- shock sensor (with later SW update)
- other sensors/IO via MxMessageSystem

Overvoltage Protection:

via MX-Overvoltage-Protection-Box

Mounting Options:

Wall
Pole
Ceiling

CPU:

i.MX 6 Dual Core incl. GPU

RAM:
1GB

Flash:
512MB

FPGA:
Artix7

Image Angle horizontal:
60°

Image Angle vertical:
45°

Focal Length:
6.1 mm

Aperture:
f/1.8 (exceptions: B016: f/2.0 and B500: F/2.5)

Max. Frame Rate:
- 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

* Only Single Core used
Max: 42

Max. Image Size:
2x 6MP (3072x2048)

Lens(es):
B016 to B500, CSVario, CS-Objektive, LPF optional (via sensor module)

Image Format:
Freely configurable format 4:3, 8:3, 16:9 or customized format (Image Cropping), like 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA)

PTZ:
- Digital pan/tilt/zoom;
- max. zoom 8x (continious)

Camera Optics:
Day
Night
Thermal

Light Sensitivity:
- Color sensor (day): 0,1 lx @ 1/60s; 0,005 lx @ 1s
- BW sensor (night): 0,02 lx @ 1/60s; 0,001 lx @ 1s

Video Codecs:
H.264
MJPEG
MxPEG+

Image Processing:
MxLEO, backlight compensation, automatic white balance, image distortion correction

ONVIF compatibility:
compatible

Image Sensor:

- 2x 1/1,8" CMOS sensor, 6MP (3072x2048), progressive scan
- 2x 1/2.5" CMOS sensor, 5Mp (2592x1944), progressive scan

Quantity: **Stk** **UP:** **TP:**