-40 to +60°C

Technical Specifications

MOBOTIX V16A Vandalism

MX**////**6

For Corner Mounting. High-Security Dual Camera System.
The V16A models are the most robust of all MOBOTIX cameras and can withstand even the toughest attacks. Inside, they always feature the latest, multifunctional MOBOTIX dual camera technology with the option of connecting external devices and sensors.
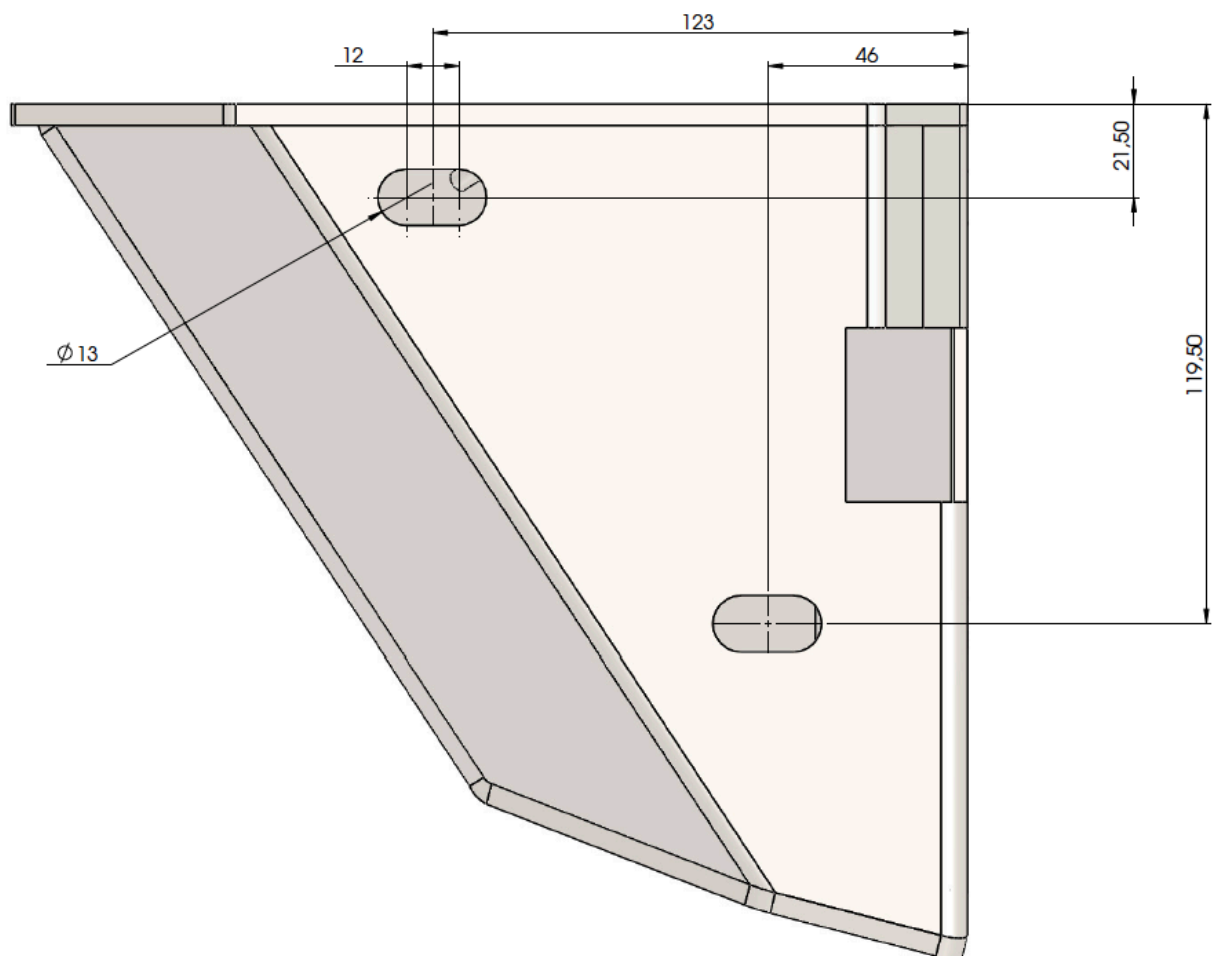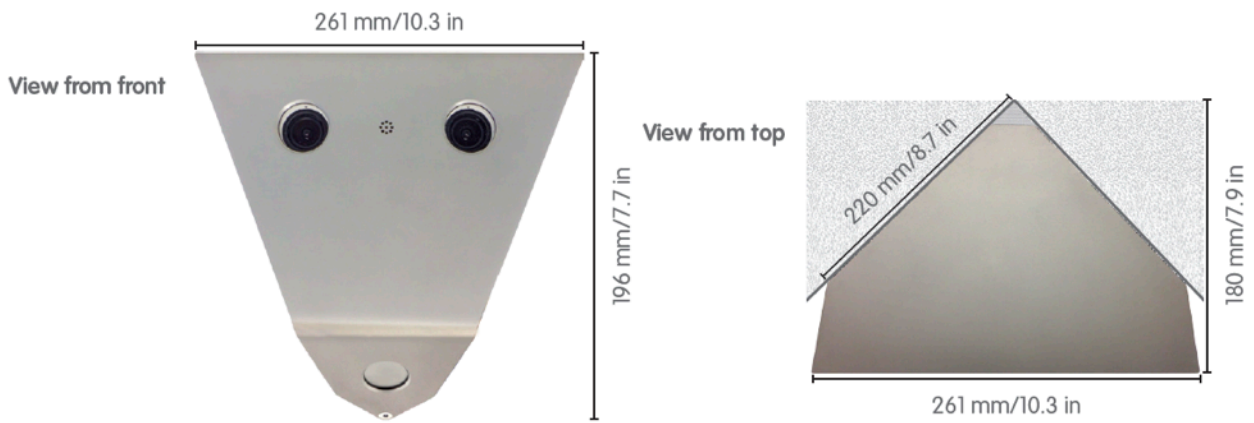
■ Mx6 system platform with H.264 and ONVIF compatibility

■ Recording on an internal MicroSD card (4GB as standard)

■ Integrated microphone and speaker

■ All S16 camera module connectors can be used (except MxBus)

■ With either one or two 6MP sensor modules (day/night)

■ Weatherproof and robust camera housing (IP66, IK10+)

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Technical Specifications: V16A Vandalism

Camera Variants	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
Specialties	**Built To Order:** The production of the V16A is based on confirmed orders only, lead time up to three months. In case of the V16A with two image sensors, both lenses can be mounted in parallel next to each other at the top, or alternatively at the top and at the bottom (indicate when ordering).		

Lenses, Sensors (Integrated Into Sensor Modules)	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
6MP Moonlight sensor, with Super Wide Lens B041 (90° x 67°)	**Mx-V16A-6D041**	**Mx-V16A-6D6N041**	**Mx-V16A-6D6D041** **Mx-V16A-6N6N041**
6MP Moonlight sensor, with Standard Lens B079 (45° x 34°)	**Mx-V16A-6D079**	**Mx-V16A-6D6N079**	**Mx-V16A-6D6D079** **Mx-V16A-6N6N079**

Hardware	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
Image sensor with individual exposure zones	Color	Black and White (B/W)	Color & B/W
Light sensitivity in lux at 1/60 s and 1/1 s	0.1/0.005	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 classes	IP66 andd IK10+		
Intended use	Not for use in hazardous areas (Ex area); corner mounting		
Ambient temperature (range, incl. storage)	-40 to 60°C/-40 to 140°F (cold boot from -30°C/-22°F)		
Internal DVR, ex works	4 GB (microSD)		
Microphone/speaker	Yes/Yes		
16bit/16kHz HD wideband audio (Opus codec)	Yes (live and audio messages)		
Passive infrared sensor (PIR)	No		
Temperature sensor	Yes		
Shock detector (tamper detection)	Yes		
Power consumption (typically at 20°C/68°F)	7.5 watts		
PoE Class (IEEE 802.3af)	Class 2 or 3 (variable), factory setting: class 3		
Interfaces Ethernet 100BaseT/MxBus/USB	Yes (MxRJ45 and LSA+ rail)/No/Yes		
Interface RS232	With accessory (MX-232-IO-Box)		
Mounting options	Corner mounting only		
Dimensions (height x width x depth)	196 x 260 x 180 mm		
Weight	4.680 g		
Housing	Stainless high-grade steel, thickness 3 to 5 mm, color: unpainted/gray		
Standard accessory	Security screws with bit, 2 allen wrenches, module key, 0.5 m ethernet patch cable, Quick Install		
Detailed technical documentation	www.mobotix.com > Support > Download Center		
Online version of this document	www.mobotix.com > Support > Download Center		
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, FTPS, RTP, RTSP, UDP, SNMP, SMTP, DHCP (client and server), NTP (client and server), SIP (client and server) G.711 (PCMA and PCMU) and G.722		
Manufacturer's warranty (since May 2018)	3 years		

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Technical Specifications: V16A Vandalism

Image Formats, Frame Rates, Image Storage	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
Available video codecs	MxPEG/MJPEG/H.264		
Image formats	Freely configurable format 4:3, 8:3, 16:9 or customized format (Image Cropping), such as 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA)		
Multistreaming	Yes		
Multicast stream via RTSP	Yes		
Max. image format (dual image from both sensors)	2x 6MP (6144 x 2048)		
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		
Number of images with 4 GB microSD (internal DVR)	CIF: 250,000, VGA: 125,000, HD: 40,000, QXGA: 20,000, 6MP: 10,000		

General Functions	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
Digital zoom and pan	Yes		
ONVIF compatibility	Yes (Profile S, audio support with camera firmware V5.2.x and higher)		
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 and email	Yes		
Playback and QuadView via web browser	Yes		
Bidirectional audio in browser	Yes		
Animated logos on the image	Yes		
Master/Slave functionality	Yes		
Privacy zone scheduling	Yes		
Customized voice messages	Yes		
VoIP telephony (audio, 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 an 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: Sending and receiving of MxMessages	Yes		

Video Analysis	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
Video motion detector	Yes		
MxActivitySensor	Yes		

Video Management Software	V16A 1x Day	V16A Day & Night	V16A 2x Day /2x Night
MxManagementCenter	Yes		
Mobile MOBOTIX App	Yes		

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View from front

261 mm/10.3 in

196 mm/7.7 in

View from top

220 mm/8.7 in

180 mm/7.9 in

261 mm/10.3 in

123

12

46

21.50

119.50

Ø 13

Dimensions in mm

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