

Mx-VM1A-20-IR-VA



Mx-VM1A-20-IR-VA Technical Detail

Overall

Product Designation

Multi sensor camera

Mx Ordercode

Mx-VM1A-20-IR-VA

Intro Product

MOBOTIX MOVE Vandal Multisensor Network Camera Mx-VM1A-20-IR-VA • Image sensor: 4x5MP (2608x1964), 1/2.8" Progressive CMOS IMX 675 SONY STARVIS II • Up to 3x optical zoom • ONVIF S/G/T/M • 10 Integrated Video Analytic Function incl. DNN Face- and License-Plate Recognition • Auto Object Tracking • Multisensor camera with built-in IR LED illumination (up to 30 m) for use with day and night • Automatic changeover from color to B / W image (mechanical IR cut filter) • FIPS140-2 level 3-compliant using TPM chipset • NEMA-4x compliant • M.2 SATA 3 SSD support • 2D & 3D Motion Compensated Noise Reduction (MCTF) • Motor-controlled Zoom lens (F1.6 x 4: 2,8mm to 8 mm, viewing angle HxV: 111,5° - 53,7° x 79° - 40,2°) with autofocus and P-Iris with automatic adaptation to changing light situations • IK10 / IP66 • Ambient temperature -40 to 60°C (22° to 122°F), humidity 10 to 90% • Video codecs: H.264, H.265, MJPEG (up to 9 Video-Streams simultaneously - 4x2 per sensor module + 1

quadview stream) • Wide Dynamic Range (130 dB) • Max. Frame rate: 5MP@30 fps (H.264, with and without WDR enabled); MJPEG: 1080p @ 30 fps • Power supply: PoE++ IEEE802.3bt, max. 51 W, AC24V max. 53,10 W / 74,80 VA • Opt. Integrated Microphone & Loudspeaker (bi-directional communication) • Hardened and "self-cleaning" anti-reflex camera front glass coating by MOBOTIX EverClear • MTBF: 95000h • Warranty: 5 years

Camera Type

Multisensor camera

Microphone

Yes

Speaker

optional via accessory

Application Area

Outdoor

Indoor

Housing Color

white and black

Technical Data

Ambient Temperature (°C)

-30 to 50 °C/-22 to 122 °F with heater

10 to 90 % non-condensing

IP Class

IP66

IK Class

IK10

Certificates

EMC: CE/FCC

Safety: LVD

IT Security: FIPS 140-2 compliance

Environmental: IP66, IK10, NEMA-4x

MTBF (h)

95,000h

Protocols

ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS, SMBv2, VPN

Ethernet

10/1000 Mbps Ethernet

LensType

motorized zoom/focus lens freely adjustable,
2.8 to 8mm

Image Angle horizontal

111.5° - 53.7°

Image Angle vertical

79° - 40.2°

Focal Length

2.8 bis 8mm

Aperture

F1.6

Max. Frame Rate

5MP@30fps (H.264, with and without WDR enabled), MJPEG: 1080p@30fps

Max. Image Size

5MP (2608x1964)

Lens(es)

Motor-controlled vari-focal lens

Light Sensitivity

Color: 0.02 Lux, B/W: 0.001 Lux

Video Codecs

H.265

H.264

MJPEG

ONVIF compatibility

S/G/T/M

Image Sensor1/2.7" Progressive CMOS IMX 675 SONY
STARVIS II**Wide Dynamic Range (WDR)**

130 dB

Power SupplyPoE++ IEEE802.3bt, max. 51 W, AC24V max.
53,10 W / 74,80 VA**Integrated IR**850 nm; up to 30 m/100 ft; distance depending
on scenery reflection**Interfaces**

- RJ45
- USB Type C
- 2 x Alarm in, 2x Alarm out, Audio in,
Audio out terminal block
- DC12V/AC24V terminal block

Height Product

105

Diameter Product (mm)

255

Software

Software Features

- Motion detection
- Noise detection
- Abandoned objects
- Intrusion (object classification)
- Sabotage
- Wrong direction
- Loitering (object classification)
- Object counting (object classification)
- Object removal

- Stopped vehicle (object classification)

2 analytics functions can be activated simultaneously