Mx-ONE-M1A-S-8DN050

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Technical Detail

Overall

Product Designation

MOBOTIX ONE M1SA Single Camera

Mx Ordercode

Mx-ONE-M1A-S-8DN050

Intro Product

M1A-Single IP camera equipped with one premium wide-angle lens B050 and IR cut filter for day and night use, aperture: f/1.8, max. image angle (HxV): 95°x50° • Max. image size: 4K UHD (3840 x 2160 pixels), 16:9 • max. frame rate: 30 fps @ 4K • ONVIF-S-compliant (Profile G, S, T) MOBOTIX ONE system platform with H.264 (Triple Streaming), H.265, MxPEG+ and M-JPEG • WDR: up to 120dB, IR LEDs (up to 30m) • HD Audio with integrated microphone and speaker • Temperature sensor, MxActivitySensor, shock detector • Functional extensions (via optional MOBOTIX modules): 1x USB-C compatible with P7 extension boxes • Operating conditions: IP66/IK10, -40 to 65°C (-40 to 149 °F) • Internal DVR: 64 GB microSD (for MxPEG+ recordings) • Max. Power consumption: 12.95 W, supply via network cable, PoE Class 3 (IEEE 802.3af) or 12/24VDC external power supply • Connections: 1x RJ45 jack for weatherproof network connection via MOBOTIX patch cable (Ethernet 1000BaseT), I/0 (1x input, 2x outputs), 1x audio out, 1x

12/24VDC input, 1x USB-C • Software interface for MOBOTIX Camera Apps (based on Deep Learning) • Housing: PBT-30GF • Color: white • Warranty: 5 years (optionally extendable up to 8 years)

Microphone

Yes

Speaker

Yes

Application Area

Indoor
Outdoor

Housing Color

white

Technical Data

Ambient Temperature (°C)

-40 to 65°C (-40 to 149 °F)

IP Class

IP66 / NEMA 4X

IK Class

IK10 (housing)

Certificates

EN 50121-4, EN 55032, EN 55035, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62368-1, EN 63000, AS/NZS CISPR32,
47 CFR Part 15b

MTBF (h)

100,000

Audio

- Line Out onboard
- Microphone built-in
- Speaker built-in

Protocols

DHCP (client and server), DNS, ICMP, IGMP v3, IPv4, IPv6, HTTP, HTTPS, FTP, FTPS, NFS, NTP (client and server), RTP, RTCP, RTSP, SFTP, SIP (client and server), SMB/CIFS, SNMP, SMTP, SSL/TLS 1.3, TCP, UDP, VLAN, VPN, Zeroconf/mDNS

Overvoltage Protection

Overvoltage Protection Box (not part of the scope of delivery)

Mounting Options

Wall- or pole-mountable (with Pole Mount accessory, compatible with M26)

Image Angle horizontal

95°

Image Angle vertical

50°

Focal Length

5 mm

Aperture

f/1.8

Max. Frame Rate

MxPEG: 20@4K, H.264: 30@4K, H.265: 30@4K

Max. Image Size

4K UHD (3840 x 2160 pixels)

Image Format

16:9

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
H.265
MJPEG
MxPEG+

ONVIF compatibility

Profil G, S, T

Wide Dynamic Range (WDR)

up to 120dB

Power Consumption (W)

12.95 W

Power Supply

PoE Class 3 (IEEE 802.3af) or 12/24VDC external power supply

Status LED

Yes

Integrated IR

Yes

Interfaces

1x RJ45 jack for weatherproof network connection via MOBOTIX patch cable (Ethernet 1000BaseT),
I/0 (1x input, 2x outputs),
1x audio out,
1x 12/24VDC input,
1x USB-C

Signal Input

1

Signal Output

2

RJ45 Ethernet Connectors

1x Ethernet 1000BaseT

Height Product

219

Width Product (mm)

131

Depth Product (mm)

237

Software

Software Features

- H.264, H.265 Multistreaming
- Multicast stream via RTSP
- Digital pan, tilt, zoom/vPTZ (up to 8x zoom)
- Genetec protocol integration
- Programmable exposure zones
- Snapshot recording (pre/post-alarm images)
- Continuous recording
- Event recording
- Time-controlled flexible event logic
- Weekly schedules for recordings and actions
- Event video and image transfer via FTP and email
- Playback and QuadView via web browser
- Animated logos on the image
- Master/Slave functionality
- Privacy zone scheduling
- Remote alarm notification (network message)
- Programming interface (HTTP-API)
- MxMessageSystem

Security

Tamper Detection

Yes