



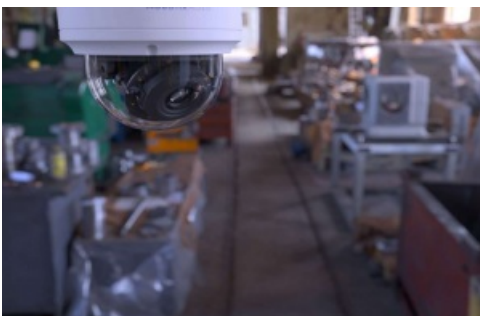
MOBOTIX 2MP Vandal Fixed Dome Analytics Camera Specifications

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2MP Vandal Fixed Dome Analytics Camera



Technical Specifications

MOBOTIX 2MP Vandal Analytics Fixed Dome Camera

A performant 2 MP, full HD 1080p resolution camera with integrated Video Analytic features for the daily security and surveillance needs. The camera performs fast and reliable auto focus and adapts to different indoor and outdoor scenes.

- Motorized Lens 2.7 to 12 mm with One-Push Auto Focus
- Remote Zoom & Focus
- Wide Dynamic Range (WDR) max. 130 dB
- Integrated Video Analytics
- Triple Power Support (PoE / 12 VDC / 24 VAC)
- Integrated IR LEDs up to 40 m Distance

IP66 and IK10 Extended Temperature Range from -55 to 60 °C/-41 to 140 °F with Heater ON Integrated browser support (Internet Explorer 10 or higher with ActiveX recommended for best performance)

Technical Specifications MOBOTIX 2MP Vandal Analytics Fixed Dome Camera

Product Information

Product Name – 2MP Vandal Analytics Fixed Dome Camera

Order Code – Mx-VD2A-2-IR-VA

Image Quality

Image Sensor – 2 MP, 1 / 2.7" Progressive CMOS

Effective Pixels – H x V = 1920 x 1080 (2MP)

Pixel Size – 2.0 µm

Frame Rate (maximum) – WDR on: H.265 / H.264: 2 MP @ 30 fps / 720p @ 30 fps MJPEG: 1080p @ 30 fps

WDR off: H.265 / H.264: 2 MP @ 60 fps / 720p @ 60 fps MJPEG: 1080p @ 60 fps

Lens

Minimum Illumination – Color: 0.08 lux B/W: 0.008 lux

Lens Characteristics – Motorized Lens: Zoom, Focus, P-IRIS Focal length: F1.6, 2.7 to 12 mm Horizontal (Field of View): 102.1° (Wide), 31.5° (Tele) Vertical (Field of View): 70.30 (Wide), 22.7° (Tele)

Lens Mechanics – 3-Axis adjustment

Technical Specifications MOBOTIX 2MP Vandal Analytics Fixed Dome Camera

Camera

Day / Night – Automatic mechanical switchable IR-Cut Filter

Shutter Time – Manual mode: WDR: 30 fps, 1/17550 S Linear: 60 fps, 1/37440 s Automatic Mode: 1 to 1/10000 s

WDR – Up to 130 dB Multi Exposure WDR & HDR Engine support

Zoom – Optical: 4.4x, Digital 10x

Image settings – Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay

Corridor Mode – 90°, 180°, 270° Rotation

Video Codec

Compression / Encoding – H.265 / H.264 / MJPEG

Streaming – Up to 4 individually configurable streams in H.264/H.265/MJPEG Configurable resolution/frame rate/bandwidth LBR/ VBR/CBR in H.265/H.264

Audio Codec

Compression / Encoding – G.711/G.726/AAC/LPCM

Streaming – 2-Way, bidirectional

Audio Input – Line In: Max 6.2 Vpp Signal In, Input Impedance: 33K1

Audio Output – Line Out: 1Vrms Signal Out, Output Resistance: 200 12

Network

Interface – 10/100 Mbps Ethernet

Security – User Authentication / HTTPS / IP Filter / IEEE 802.1x

Supported Protocols – ARP, PPPOE, IPV4/V6, ICMP, IGMP, QOS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS, SMBV2

Technical Specifications MOBOTIX 2MP Vandal Analytics Fixed Dome Camera

ONVIF conformance – Conforms to profiles S, G, T, Q

Supported Browsers – Microsoft Internet Explorer 10 or higher, Google Chrome, Mozilla Firefox, Apple Safari; Internet Explorer 10 or higher with ActiveX recommended for best performance

System Integration

Base Video Analytics – Motion Detection / Tampering / Audio noise Detection

Enhanced Video Analytics – Embedded enhanced Video Analytic package (abandoned object, intrusion, sabotage, wrong direction, loitering, object count, object removal). 2 analytic functions can be activated simultaneously.

Event Triggers – External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger

Event Actions – External output Activation Video and audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

General

Casing – Metal Housing

Device Color – Metal Body housing: RAL 9003 – Logo color: Pantone 286C and Pantone Gray 6 Cu

Power – PoE IEEE802.3af, class 0, max. 13 W 12 V DC, max. 13 W 24 V AC, max. 14 W (25 VA) Zero-Down-Time

Power Source Switching

Connectors – RJ45, Alarm in x2, Alarm out x1, 12 VDC Terminal Block, 24 VAC Terminal Block, Audio in 3.5 mm Jack , Audio out 3.5 mm Jack, CVBS Connector COAX (75 Ohm) (CVBS Output available with max. 2 activated streams, requires optional adapter cable 2Pin – COAX)

IR Illumination – Up to 40 m distance depending on scenery reflection

Video Storage – Support for microSD/microSDHC/microSDXC card, Support for recording to NAS, MOBOTIX MOVE NVR

Environmental Protection Class – IP66 / IK10

Operating Conditions – Temperature range: -55 to 60 °C/-41 to 140 °F with Heater ON Cold start: max. -30 °C/-22 °F Relative humidity: 10 to 90 % non-condensing

Storage Conditions – -20 to 70 °C/-4 to 158 °F

Approvals – EMC: CE / FCC, Safety: LVD, Environmental: IP66, IK10

Dimensions – Ø 133.8 x 117.4 mm

Weight – 760 g

Technical Specifications MOBOTIX 2MP Vandal Analytics Fixed Dome Camera

Dimensions

NOTE! You can download the drilling template from the section Drilling Template or on the MOBOTIX web site: www.mobotix.com > Support > Download Center > Marketing & Documentation > Drilling Templates.

CAUTION! Always print or copy at 100% of the original size!

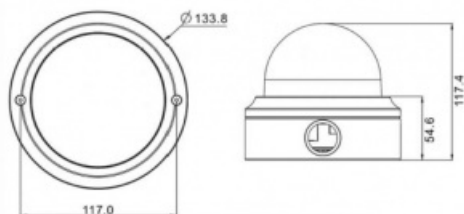


Fig. 1: 2MP Vandal Analytics Fixed Dome Camera: All measurements in mm

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Documents / Resources

	MOBOTIX 2MP Vandal Fixed Dome Analytics Camera [pdf] Specifications MOBOTIX, Vandal Fixed, Dome Analytics Camera
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References

- [!\[\]\(8ba0a8bc08cfb681721719303df69bb8_img.jpg\) **Mobotix MX-VD2A-2-IR-VA 2MP Vandal Analytics Fixed Dome Camera**](#)