

Technical Specifications

MOBOTIX 2MP Vandal Bullet Analytics 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 adopts 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)

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MOBOTIX MOVE

V1.08_4/28/2021, Order Code: Mx-VB2A-2-IR-VA

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Product Information

Product Name	2MP Vandal Bullet Analytics Camera
Order Code	Mx-VB2A-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 um
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): 70.3° (Wide), 22.7° (Tele)

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: 33KΩ
Audio Output	Line Out: 1Vrms Signal Out, Output Resistance: 200 Ω

Network

Interface	10/100 Mbps Ethernet
Security	User Authentication / HTTPS / IP Filter / IEEE 802.1x
Supported Protocols	iARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS , SMBv2
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

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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 Back Housing, PC Front
Device Color	PC Front cover: RAL9003 Sunshield: - Logo color: Pantone 286C and Pantone Gray 6 Cu - Body color: RAL9003 Back metal body: Printing color RAL9003
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)
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 105x233.8 mm
Weight	1210 g

Dimensions

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

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

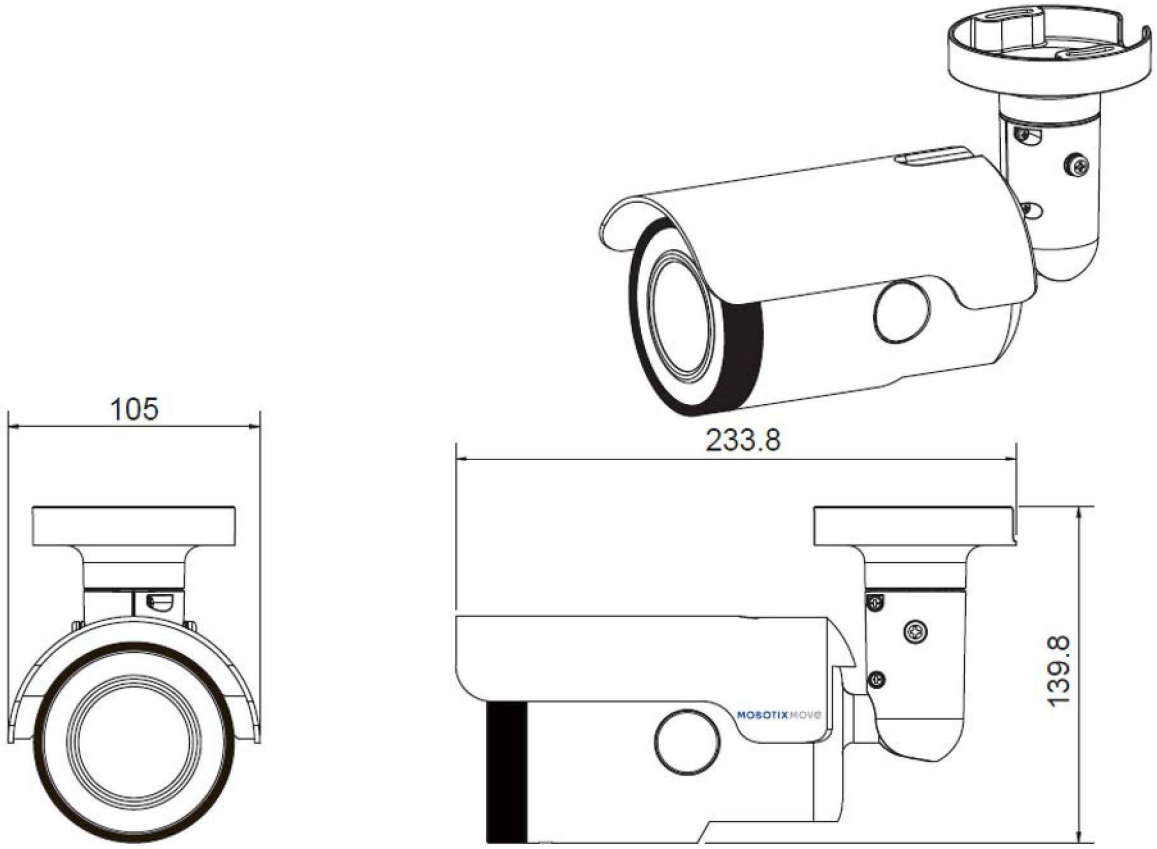


Fig. 1: 2MP Vandal Bullet Analytics Camera: All measurements in mm

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