



IP-4BL-MVF-DSA

Standard Level SmartLight

4MP Standard SmartLight Vari-Focal
Bullet Network Camera



- Max. 4MP resolution at 20 fps (2688×1520), 1/2.9" CMOS image sensor
- Min. illumination 0.005 Lux @ F1.5 (Color), 0.0005 Lux @ F1.5 (B/W)
- Built-in white lights and IR lights, up to 200 ft illumination distance
- Video Content Analytics with Line Crossing and Intrusion by AI algorithm
- Intelligent Motion Detection focused on human and vehicle
- Built-in microphone
- Built-in microSD card slot, up to 256 GB
- 12V DC and PoE power supply
- IP67 water & dustproof protection rating

SPECIFICATION

Camera

Image Sensor	1/2.9" CMOS
Min. Illumination	0.005 Lux at F1.5 (Color), 0.0005 Lux at F1.5(B/W)
E-shutter Speed	Auto/Manual 1/3 s–1/100,000 s
S/N Ratio	> 56 dB
Noise Reduction	3D NR
Wide Dynamic Range	120 dB
Day & Night	Auto (ICR) / Color / B/W
Angle Adjustment	Pan and Rotation: 0°- 360° Tilt: 0°- 90°
Lens Type	Motorized Vari-Focal, 2.7-13.5 mm at F1.5
Iris Type	Auto
Field of View	Horizontal: 97°–28°



Vertical: 52°–16°

Diagonal: 117°–32°

Close Focus Range	2.62 ft (0.8 m)
DORI	Detect: 209.32 ft – 688.32 ft (63.8 m – 209.8 m) Observe: 80.00 ft – 274.93 ft (25.3 m – 83.8 m) Recognize: 41.0 ft – 136.81 ft (12.5 m – 41.7 m) Identify: 20.67 ft – 68.24 ft (6.3 m – 20.8 m)
Illuminators	2 x White Lights, 2 x IR Lights
Illumination Distance	Up to 200 ft (60.96 m) IR, up to 200 ft (60.96 m) White light
Illuminator Control	Auto, Manual, Off, Zoom Priority

Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Resolution	4MP (2688*1520), 4MP (2560*1440), 3MP (2304*1296), 1080p (1920*1080), 1.3MP (1280*960), 720P (1280*720), D1 (704*480), VGA (640*480), CIF (352*240)
Maximum Frame Rate	Main stream: 4MP (2688*1520) at 20 fps, 4MP (2560*1440) at 30 fps Sub stream: D1 (704*480) at 30 fps
Video Stream	2 streams



Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 32 kbps to 6144 kbps H.265: 12 kbps to 6144 kbps
ROI	Supported (4 areas)
Image Rotation	0°, 90°, 180° and 270° (90° and 270° only for 2688 × 1520 resolution and lower)
Mirror	Supported
Privacy Mask	Supported (4 areas)

Audio

Built-in MIC	Yes
Audio Compression	PCM, G.711a, G.711M

Intelligent Analysis

VCA (Video Content Analytics)	Intrusion, Line Crossing
iMD	Supported

Event

Alarm Event	Line Crossing, Intrusion, Motion Detection, iMD, Audio Detection, Video Tampering, Disk Full, Disk Error, Voltage Detection, Security Exception, External Alarm
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Network

Protocol	IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP,
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RTMP, UPnP, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP, Multicast, NFS

Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI
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Storage	FTP, SFTP, Micro SD card (support max. 256 GB)
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Web Browser	Chrome, Firefox
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Client	PC client: TitanViewer Mobile APP: TitanViewer
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Interface

Audio I/O	1 x Input, 1 x Output
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Alarm I/O	1 x Input (Max. 5 VDC, 5 mA), 1 x Output (Max. 12 VDC, 300 mA)
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Network port	RJ-45 (10/100 Base-T)
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Micro SD Card Slot	Yes
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Reset Button	Supported
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General

Power Supply	12 VDC / PoE (802.3af)
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Power Consumption	12 VDC: Max 6.9 W, Typical 2.6 W / PoE: Max 8.3 W, Typical 3.3 W
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Housing	Metal
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Dimensions	11.44" × 3.88" × 3.59" (290.6 mm × 98.6 mm × 91.2 mm) (L × W × H)
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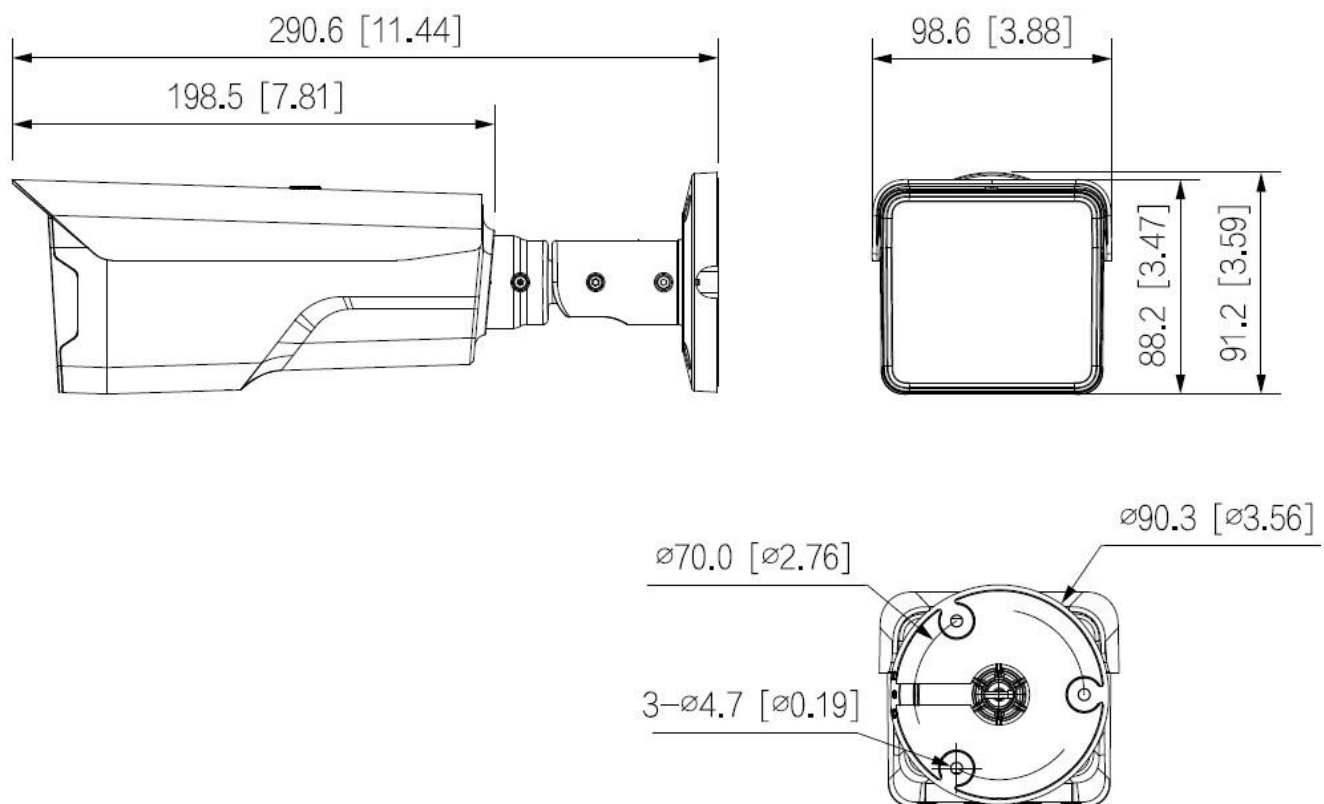
Dimension With Box	14.5" × 5.83" × 5.47" (369 mm × 148 mm × 139 mm) (L*W*H)
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Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67 ,IK10
Net Weight	2.4 lb (1.08 kg)
Gross Weight	3.0 lb (1.35 kg)
Certification	FCC, IC

Dimension

mm [inch]





ACCESSORIES



J01

Junction Box



A05

G3/4" Water Joint



P02

Pole Mount Bracket



C01

Corner Mount Bracket



AC09

Gang Box