



IP-8DM-MVF-DSA

Standard Level SmartLight

8MP Standard SmartLight Vari-Focal
Dome Network Camera



- 8MP (3840 × 2160) resolution at up to 20 fps
- 1/2.7" CMOS image sensor
- Min. illumination 0.007 Lux @ F1.5 (color), 0.0007 Lux @ F1.5 (B/W)
- Motorized vari-focal lens, 2.7–13.5 mm, F1.5
- Built-in white lights and IR lights, illumination up to 200 ft
- AI-powered line crossing and intrusion detection
- Intelligent motion detection for humans and vehicles
- Built-in microphone and microSD card slot (up to 256 GB)
- 12V DC and PoE (802.3af) power supply
- IP67 weatherproof rating

SPECIFICATION

Camera

Image Sensor	1/2.7" CMOS
Min. Illumination	0.007 Lux @ F1.5 (Color), 0.0007 Lux @ 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	Color/B/W
Angle Adjustment	Pan and Rotation: 0°-355° Tilt: 0°-80°
Lens Type	Motorized Vari-Focal, 2.7-13.5mm at F1.5
Iris Type	Auto
Field of View	Horizontal: 114°–32°



Vertical: 58° - 17°

Diagonal: 138° - 36°

Close Focus Range

2.62 ft (0.8 m)

DORI

Detect: 278.87 ft – 916.99 ft (85.0 m – 279.5 m)

Observe: 111.22 ft – 366.80 ft (33.9 m – 111.8 m)

Recognize: 55.45 ft – 183.07 ft (16.9 m – 55.8 m)

Identify: 27.23 ft – 91.21 ft (8.3 m – 27.8 m)

Illuminators

2 x White Lights, 2 x IR Lights

Illumination Range

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; MJPEG (Sub Stream Only)

Smart Codec

H.265/H.264

Resolution

8MP (3840*2160), 6MP (3072*2048), 5MP (3072*1728), 5MP (2880*1620), 4MP (2688*1520), 3MP (2048*1536), 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: 8MP (3840*2160) at 20 fps, 4MP (2688*1520) at 30 fps



	Sub stream: D1 (704*576) at 30 fps
Video Stream	2 streams
Bit Rate Control	CBR, VBR
Video Bit Rate	H.264: 3kbps to 8192kbps H.265: 3kbps to 8192kbps
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.711Mu

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, Offline, IP conflict, Voltage Detection, Security Warning
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Network



Protocol	IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, PPPoE, UPnP, Bonjour, QoS, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP, Multicast, NFS
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Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI
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Storage	FTP, SFTP, Micro SD card (support max. 256 GB), NAS
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Web Browser	Chrome, Firefox
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Client	PC client: TitanViewer Mobile APP: TitanViewer
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Interface

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

General

Power Supply	12 VDC / PoE (802.3af)
Power Consumption	12 VDC: Max 6.9 W, Typical 2.6 W / PoE: Max 8.3 W, Typical 3.3 W
Housing	Cover: Metal, Dome: Plastic
Dimensions	Φ4.96" × 3.94" (Φ126.0 mm × 100.0 mm)



Dimensions With Box

5.83" × 5.47" × 5.39" (148 mm × 139 mm × 137 mm) (L×W×H)

Operating Conditions

-40°F to +140°F (-40°C to +60°C) / less than 95% RH

Storage Conditions

-40°F to +140°F (-40°C to +60°C)

Protection Grade

IP67 , IK10

Net Weight

1.3 lb (0.58 kg)

Gross Weight

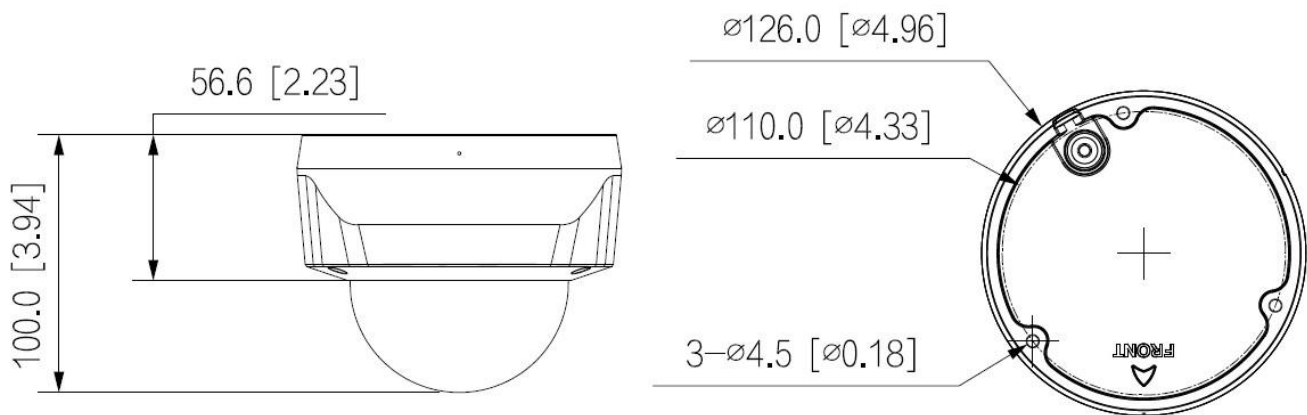
1.6 lb (0.74 kg)

Certification

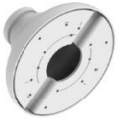
FCC, IC

Dimension

mm [inch]



ACCESSORIES



A01

Mount Adapter



B01

Smoke Bubble



W10

Wall Mount Bracket



W01

Wall Mount Bracket



W02

Wall Mount Bracket



E01

Ceiling Mount Bracket



E03

Recess Mount



J02

Junction Box



AC09

Gang Box Adapter



P02

Pole Mount Bracket



P01

Pole Mount Bracket



PIC-C01

Corner Mount Bracket