



IP-4DM-MVF-DSA

Standard Level SmartLight

4MP Standard SmartLight Vari-Focal
Dome Network Camera



- Max. 4MP Resolution at up to 20 fps
- 1/2.9" CMOS Image Sensor
- Min. Illumination: 0.005 Lux (Color) / 0.0005 Lux (B/W) at F1.5
- Built-in White Light and IR Illuminators, up to 130 ft range
- AI-Powered Video Content Analytics: Line Crossing and Intrusion Detection
- Intelligent Motion Detection for Human and Vehicle Classification
- Built-in Microphone
- Built-in microSD Card Slot, up to 256 GB
- 12 VDC and PoE (802.3af) Power Supply
- IP67 and IK10 Rated

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/Color/B/W
Angle Adjustment	Pan and Rotation: 0°-355° Tilt: 0°-80°
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 1ft – 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 Warm white Lights, 2 x IR Lights

Illumination Range

Up to 130 ft (39.62 m) IR, up to 130 ft (39.62 m) White Light

Illuminator Control

Auto, Manual, Off, Zoom Priority

Video

Video Compression

H.265; H.264; MJPEG (Sub Stream Only)

Smart Codec

Supported

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.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, Voltage Detection, Security Exception
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Network

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

Interoperability ONVIF (Profile S & Profile G & Profile T); CGI

Storage FTP, SFTP, Micro SD card (support max. 256 GB)

Web Browser Chrome, Firefox

Client PC client: TitanViewer
Mobile APP: TitanViewer

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 10.2 W, Typical 2.6 W / PoE: Max 12.7 W, Typical 3.1 W

Housing Metal

Dimensions $\Phi 4.96'' \times 3.94''$ ($\Phi 126.0$ mm * 100.0 mm)

Dimensions With Box $5.83'' \times 5.47'' \times 5.39''$ (148 mm $\times$ 139 mm $\times$ 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

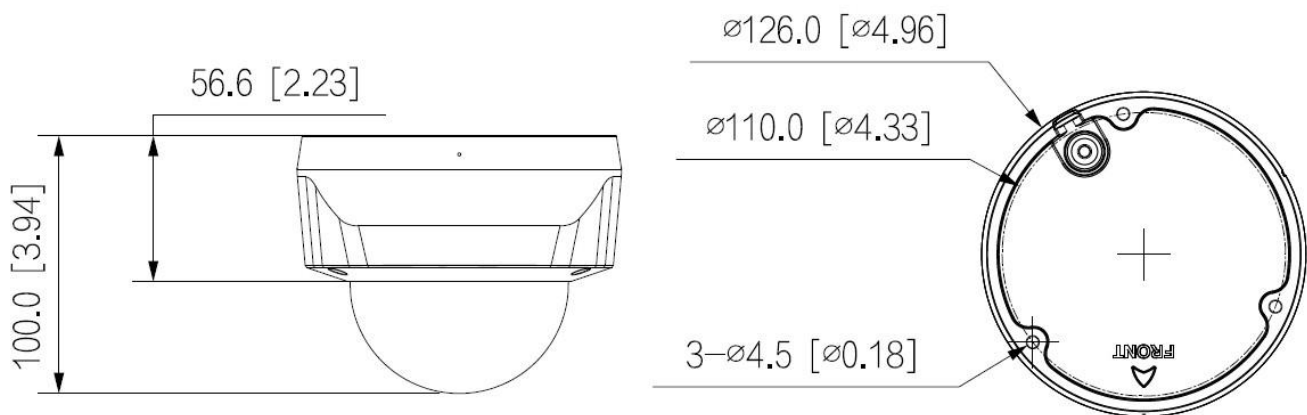
Net Weight 1.3 lb (0.58 kg)

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