



IP-8DM-F28-DSA

Standard Level SmartLight

8MP Standard SmartLight Fixed Dome
Network Camera



- 8MP resolution up to 20 fps at full 4K (3840×2160)
- 1/2.7" CMOS image sensor
- Min. illumination 0.007 Lux (Color) / 0.0007 Lux (B/W) at F1.6
- Built-in dual light — white and IR — up to 100 ft illumination range
- AI-powered Video Content Analytics: Line Crossing and Intrusion
- Intelligent Motion Detection for Human and Vehicle targets
- Built-in Microphone
- Built-in microSD card slot, up to 256 GB
- 12V DC and PoE (802.3af) power supply
- IP67 ingress protection and IK10 impact resistance

SPECIFICATION

Camera

Image Sensor	1/2.7" CMOS
Min. Illumination	0.007 Lux at F1.6 (Color), 0.0007 Lux at F1.6(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	Fixed-focal 2.8mm at F1.6
Iris Type	Fixed
Field of View	Horizontal: 110°, Vertical: 58°, Diagonal: 132°



Close Focus Range	4.92 ft (1.5 m)
DORI	Detect: 277.23 ft (84.5 m) Observe: 110.27 ft (33.6 m) Recognize: 54.46 ft (16.6 m) Identify: 27.23 ft (8.3 m)
Illuminators	2 x White Lights, 2 x IR Lights
Illumination Range	Up to 100 ft (30.48 m) IR, up to 100 ft (30.48 m) White Light
Illuminator Control	Auto, Manual, Off

Video

Video Compression	H.265; H.264; MJPEG (Sub Stream Only)
Smart Codec	Supported
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: 3 kbps to 8192 kbps H.265: 3 kbps to 8192 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, 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
Interoperability	ONVIF (Profile S & Profile G & Profile T); CGI



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)
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Micro SD card Slot	Yes
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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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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	Φ4.96" x 3.94" (Φ126.0 mm x 100.0 mm)
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Dimensions With Box	5.83" × 5.47" × 5.39" (148 mm × 139 mm × 137 mm) (L×W×H)
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Operating Conditions	-40°F to +140°F (-40°C to +60°C) / less than 95% RH
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Storage Conditions	-40°F to +140°F (-40°C to +60°C)
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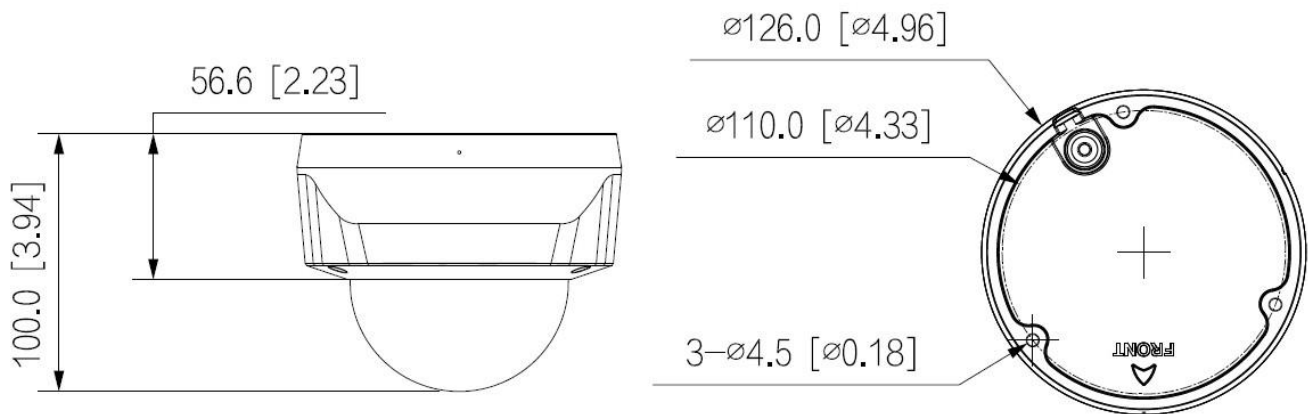
Protection Grade	IP67 , IK10
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Net Weight	1.2 lb (0.56 kg)
Gross Weight	1.6 lb (0.72 kg)
Certification	FCC, IC

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