

IQV-EX-9687-B Series

EXPLOSION PROOF PTZ DOME CAMERA

with 2MP 25x Optical Zoom, ONVIF Compliant

The IQV-EX-9687-B Series is engineered to deliver protection for valuable assets for critical and harsh environments. With its wide dynamic range and 2MP resolution, every critical detail is captured with unparalleled precision. It is designed to provide complete coverage of an area, making them suitable for monitoring open spaces, and can be mounted on walls and can be adjusted to capture different angles, providing flexibility in installation and ensuring optimal coverage of the surveillance area. It's rugged AISI316L stainless steel housing ensures durability in extreme weather conditions and offers comprehensive protection against dust, water, lightning, and surge, certified to IP66/68/69 standards. Ideal for perimeter defense, industrial safety, and asset protection.

Additional Features

- Certification for Hazardous Areas
- Protection Level of IP66/68/69
- Starlight-Level Low-Light Imaging
- True Day/Night Function
- Real-Time Full HD (1080p) Output
- Motion Detection, Video Tampering, Smart Motion Detection, Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving Object Detection
- ONVIF Compatibility



TECHNICAL INFORMATION

GENERAL & MECHANICAL	
Operating Temperature	-40°C to +60°C
Ingress Protection	IP66 & IP68(2m/2h) & IP69
Operating Voltages	AC 100–240V / AC 24V (50/60Hz); DC 24V / PoE++ (48V DC); ≤ 5A
Power Consumption	≤60W
Surge Protection	TVS 6000V Lightning and Surge Protection
Material	AISI316L Stainless Steel
Finishing	Optional: Electro-polished / Painting
Relative Humidity	≤95%
Mounting Options	Wall mount
Dimensions (W x D x H)	Kindly refer to individual dimensions for each model.
Weight	Approximately 16.5 kg / 36.38 lbs
Cable Gland Entry	M27x1.25

CERTIFICATIONS & RATINGS	
Rating	II 2 G Ex db II C T6 Gb, II 2 D Ex tb IIIC T80°C Db
IECEx Standards	IEC60079-0, IEC60079-1, IEC60079-31
ATEX	EN60079-0, EN60079-1, EN60079-31
PTZ SPECIFICATION	
Pan Range	360° Endless
Pan Speed	0°/s – 200°/s
Tilt Range	-20° to +90°
Tilt Speed	-20°/s – +90°/s
Preset Position	Up to 255 Presets
Control Protocol	Pelco-D, Pelco-P (RS-485)
Baud Rate	2400–19200 bps (Adjustable)
Optical Zoom	25x Optical Zoom
Digital Zoom	16x Digital Zoom

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TECHNICAL INFORMATION

VISUAL CAMERA				
Sensor	2MP, 1/2.8" Progressive Scan CMOS			
Resolution	1920×1080 pixels			
Frame Rate	Main Stream: 25fps (1920×1080, 1280×960, 1280×720) at 50Hz; 30fps (1920×1080, 1280×960, 1280×720) at 60Hz Sub Stream: 25fps (704×576, 352×288) at 50Hz; 30fps (704×480, 352×240) at 60Hz Third Stream: 25fps (352×288) at 50Hz; 30fps (352×240) at 60Hz			
Compression	Video: H.264/H.264+/H.265/H.265+ Video Bit Rate: 11Kbps~8192Kbps H.264 Profiles: Base/Main/High; H.265 Profile: Main Triple Stream: Supported Audio: G.711a, G.711u Audio Bit Rate: 64Kbps (G.711)			
Minimum Illumination	Color: 0.006 Lux			
Shutter Speed	1/3–1/10,000s			
Wide Dynamic Range	120dB			
Digital Noise Reduction	2D/3D DNR			
Day and Night	ICR Cut Filter			
Lens	Focal Length: 4.7mm-118mm Field of View (H × V × D): 55° × 31° × 63° to 2.3° × 1.3° × 2.7° Aperture: F1.5 (W) ~ F3.2 (T) Zoom Speed: Approx. 5.6 s Focus Control: Auto / Semi-auto / Manual			
Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Region of Interest, Backlight Compensation, Highlight Compensation			
Analytics	Motion Detection, Video Tampering, Smart Motion Detection, Line Crossing, Area Intrusion, Unattended Object, Object Missing, Region Entrance, Region Exiting, Fast Moving Object Detection.			
DORI				
Zoom Position	Detect	Observe	Recognize	Identify
Wide (4.7 mm)	72.0m	29.0m	14.0m	7.0m
Tele (118 mm)	1812.0m	725.0m	362.0m	181.0m

NETWORK	
Interface	RJ45 10Base-T/100Base-TX
ONVIF	ONVIF (Profile S, Profile G, Profile T)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
Network Storage	NAS (NFS/CIFS)
Security	User authentication, IP address filtering, Video masking
ACCESSORIES	
Enclosures	Explosion-proof Ex d Stainless Steel IP67 Control Box (various)
Glands	Explosion-proof Ex d Stainless Steel Cable Gland (various)
Conduit	Ex e Ex d IP66 IP67 Flexible Conduit (various)
Washer	Explosion-proof Self-Washing System
Composite	Optical, Power, LAN, Instrumentations (various)