

## IQV-EX-9740 Series

### EXPLOSION PROOF DOME IR CAMERA

Integrated with Ultra HighResolution 12MP 360° Dome Edge Camera

IQS-EX-9740 360° Panoramic Dome Camera is an IECEx and ATEX-certified explosion protection for your valuable assets for critical and harsh environments. With its wide dynamic range and ultra high-resolution 12 MP resolution, every critical detail is captured with unparalleled precision. It is designed to provide complete coverage of an area without any blind spots, making them suitable for monitoring open spaces, and can be mounted on ceilings or walls and can be adjusted to capture different angles., providing flexibility in installation and ensuring optimal coverage of the surveillance area. This camera ensures exceptional image quality even in low-light environments.

**INQUIVISION**  
PUSHING FORWARD LOOKING PERFORMANCE



#### Additional Features

- Ultra Wide Angle Lens, 360° Panoramic Image
- Certification for Hazardous Areas
- Embedded Infrared Light, 360° Fill-In Light
- Ultra High-Resolution 12 Megapixel
- High Protection Level of IP66 & IP68
- Cybersecurity Features
- Low Power Consumption
- Vandal-proof stainless steel enclosure
- Ultra motion detection & intruders detection



#### TECHNICAL INFORMATION

GENERAL & MECHANICAL	
Operating Temperature	-40°C to +60°C
Ingress Protection	IP66 & IP68(2m/2h)
Operating Voltages	Integrated IR LED illuminator: AC 100-240V / AC 24V / DC 24V / PoE++(IEEEE802.3 at) (DC 48V), Without integrated IR LED illuminator: AC 24V / DC 24V / PoE++(IEEEE802.3 at) (DC 48V); Maximum 1.5A
Power Consumption	Maximum 11.7W
Surge Protection	TVS 6000V Lightning and Surge Protection
Material	AISI316L Stainless Steel
Finishing	Optional: Electro-polished / Painting
Relative Humidity	≤95%
Mounting Options	Wall mount / Ceiling mount
Dimensions (W x D x H)	Kindly refer to individual dimensions for each model.
Weight	Approximately 4 kg / 8.8lbs (onwards)
Cable Gland Entries	1 x M25
Operating Temperature	-40°C to +60°C

CERTIFICATIONS & RATINGS	
Rating	Integrated IR LED illuminator: II 2 G Ex db op is II T6 Gb, II 2 D Ex tb op is IIIC T80°C Db Without IR LED illuminator: II 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db
IECEx Standards	IEC60079-0, IEC60079-1, IEC60079-28, IEC60079-31
ATEX	EN60079-0, EN60079-1, EN60079-28, EN60079-31
Certifications	CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15

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### TECHNICAL INFORMATION

CAMERA	
<b>Sensor</b>	1/1.7", 12.0 megapixel, progressive scan, CMOS
<b>Video Frame Rate</b>	Main stream: 3280 × 2480@(1-25/30 fps) sub stream: 704 × 576@(1-25/30 fps) third stream: 1280 × 960@(1-25/30 fps) Fisheye mode: 1O (3280 × 2480) 1P (4096 × 1024) 2P (2432 × 2432) 1R (1216 × 1216) 2R (2432 × 2432) 4R (2432 × 2432) 1O + 3R (2432 × 2432)  *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
<b>Resolution</b>	3280 × 2480; 2880 × 2160; (3M) 2048 × 1536; 1.3M, (1280 × 960); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
<b>Compression</b>	Ultra 265, H.265, H.264, MJPEG
<b>ROI</b>	Up to 8 areas
<b>Minimum Illumination</b>	Colour: 0.05Lux (F2.4, AGC ON) 0Lux with IR
<b>Shutter Speed</b>	Auto, 1 ~ 1/100000s
<b>Optical Filter</b>	Automatically removable IR-cut filter
<b>White Balance</b>	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
<b>Lens</b>	1.8mm@F2.4
<b>Field of View</b>	Horizontal: 185°; Vertical: 180°
<b>Analytics</b>	Heat map analysis, motion detection/tampering, intrusion detection, tripwire detection, entry zone monitoring/exit zone monitoring, people counting, smart search
<b>Alarm Triggers</b>	Network interruption/disconnection, IP conflict, memory full abnormal detection, breach of access
<b>Cyber Security</b>	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
<b>Image Settings</b>	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
<b>Edge Recording</b>	Micro SD, up to 256 GB (card not provided)
<b>Network Storage</b>	ANR, NAS(NFS)
<b>Signal-to-Noise Ratio</b>	>52dB
<b>Noise Reduction</b>	2D/3D DNR

NETWORK	
<b>Interface</b>	100M Base-TX Ethernet / 1 * RJ45 10M
<b>Interoperability</b>	CGI; Milestone; Genetec; P2P
<b>Security</b>	Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
<b>ONVIF</b>	ONVIF (Profile S, Profile G, Profile T)
<b>Protocols</b>	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS

MEDIA CONVERTER	
<b>FIBER</b>	
<b>Interface</b>	100 Base-FX/1000BASE-X
<b>Cabling</b>	Singlemode ( OS2 9/125 μm )/two fibers/SC connector
<b>Maximum Distance</b>	20km
<b>Wavelength</b>	1310 nm
<b>IP OVER COAXIAL</b>	
<b>Interface</b>	10/100 Base-TX over coaxial cable
<b>Bandwidth</b>	Up to 95Mbps downlink/uplink
<b>Maximum Distance</b>	1800 metres
<b>Technology</b>	Broadband over Power Lines (BPL)
<b>Interference Prevention</b>	IEEE 1901-2010 Inter-System Protocol ISP

DORI				
Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
1.8	43.8	17.5	8.8	4.4