

IQV-WP-146880 SERIES

WEATHERPROOF DOME CAMERA

with 5MP Motorized Varifocal Lens 2.7-13.5mm, ONVIF Compliant

The IQV-WP-146880 Series Dome Camera is built for mission-critical surveillance in demanding environments. It integrates a 5 MP optical camera with a motorized varifocal 2.7–13.5 mm lens and delivers real-time 5 MP (2880×1620) video with exceptional clarity. Designed for wide-area coverage and superior low-light performance, it features ultra-low illumination sensitivity and supports ONVIF for seamless system integration. Its rugged, corrosion-resistant aluminum housing ensures reliable operation in extreme weather and industrial conditions. The enclosure is certified to IP67 for superior protection against water, dust, and harsh environments. Ideal for perimeter defense, critical infrastructure, and industrial site monitoring.

Additional Features

- Rugged Anti-Corrosion Aluminum Body
- IP67-Rated Weatherproof and Dustproof Protection
- Starlight-Level Low-Light Imaging
- True Day/Night Function
- Real-Time 5MP Video Output
- Motion Detection, Intrusion Detection, Line Crossing Detection, Region Entrance/Exit Detection, Scene Change Detection, Face Detection
- Electronic Image Stabilization
- ONVIF Compatibility

INQUIVISION
PUSHING FORWARD LOOKING PERFORMANCE



TECHNICAL INFORMATION

GENERAL & MECHANICAL	
Operating Temperature	-40°C to +60°C
Ingress Protection	IP67 (Dustproof and Waterproof)
Operating Voltages	DC 12V ±25%, PoE (IEEE 802.3af, Class 3)
Power Consumption	≤9.5W
Material	High-Strength Die-Cast Aluminum Alloy Shell
Relative Humidity	≤95% (non-condensing)
LED Illumination	Up to 50 meters
Camera Adjustment	Pan 0°-355°, Tilt 0°-75°, Rotation 0°-355°
Mounting Options	Wall, Ceiling, Pole Mount
Dimensions (Φ × H)	Ø142.2mm × 116.5mm
Weight	Approximately 1.02 kg

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Zoom Position	Detect	Observe	Recognize	Identify
Wide (2.7 mm)	72.0m	27.9m	14.0m	7.0m
Tele (13.5 mm)	206.0m	81.5m	40.8m	20.4m
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, SMB/CIFS), ANR			
Security	Password protection, HTTPS/SSL encryption, IP address filtering, basic and digest authentication, TLS 1.1/1.2			

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TECHNICAL INFORMATION

VISUAL CAMERA	
Image Sensor	5MP, 1/2.7" Progressive Scan CMOS
Resolution	2880×1620 pixels
Frame Rate	Main Stream: 25fps (2880×1620, 2688×1520, 2560×1440, 1920×1080) at 50Hz; 30fps (2880×1620, 2688×1520, 2560×1440, 1920×1080) at 60Hz Sub Stream: 25fps (1280×720, 704×576, 352×288) at 50Hz; 30fps (1280×720, 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+/MJPEG Video Bit Rate: 11Kbps~10Mbps 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 @(F1.6, AGC ON) B/W: 0.0006 Lux @(F1.6, AGC ON)
Shutter Speed	1/3–1/100,000s
Wide Dynamic Range	120dB
Digital Noise Reduction	2D/3D DNR
Day and Night	ICR Cut Filter
Lens	Type: Motorized Varifocal Focal Length: 2.7–13.5 mm Aperture: F1.6 Field of View: Horizontal 112°–35.5°, Vertical 59°–20°, Diagonal 134°–41° Close Focus Distance: 0.1–1.5 m (approx.) Iris Control: Auto
Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Electronic Image Stabilization, Region of Interest, Backlight Compensation, Highlight Compensation
Analytics	Motion Detection, Intrusion Detection, Line Crossing Detection, Region Entrance/Exit Detection, Scene Change Detection, Face Detection