

- o 2 Megapixel (1920 x 1080)
- o Ultra-Low Light Performance
- o Up to 36x Optical Zoom
- o H.264 / MPEG4 / MJPEG
- o AC 24V / PoE
- o ONVIF / PSIA / CGI Compliant



SPECIFICATIONS

Optical Camera

Imaging Device	1/1.9" Progressive Scan CMOS
Resolution	2 Megapixel (1920 x 1080)
Zoom	Up to 36x Optical Zoom, 16x Digital Zoom
Lens	23x 5.9 ~ 135 mm (F1.5 ~ F3.4) 36x 4.5 ~ 162 mm (F1.6 ~ F3.5)
Field of View (H)	23x 59.8° ~ 3.1° 36x 60.6° ~ 2.7°
Min. Illumination	Color: 0.002 Lux @ F1.2 (AGC On) B/W: 0.0002 Lux @ F1.2 (AGC On)
Day Night Type	√
Wide Dynamic Range	120db
Video Out	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Electronic Shutter	1/25 ~ 1/100,000 s
Auto Iris	√
Signal-to-Noise Ratio	≥ 50dB

Encoding

Video Compression	H.264 / MPEG4 / MJPEG
Frame Rate	30 fps @ 60 Hz, 25 fps @ 50 Hz
Streaming	Dual-Stream
Audio Compression	G.711ulaw / G.711alaw / G.726

Network

Protocols	IPv4, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Security	User authentication (ID and PW), Host authentication (MAC address). Up to 32 users, 3 Levels: Administrator, Camera control, Live view only
System Compatibility	ONVIF, PSIA, CGI
Communication Interface	1 RJ45 10M/ 100M ethernet interface

Illuminator

Type	IR LED
Spectrum	Infrared 810nm

CAM-IPM-2ZUL Series

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Effective Range	200M/800M
Additional Features	
Noise Reduction	√
Back Light Compensation	√
Auto White Balance	√
Alarm Input/Output	7 inputs, 2 outputs
Audio Input/Output	Audio input (Line input), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio output line level impedance: 600Ω
On-board storage	Built-in MicroSD/SDHC slot, up to 128 GB
Additional Features	Smart Defog, Electronic Image Stabilization (EIS), Privacy Masking (up to 24 zones)
Pan/Tilt	
Pan Range	360° Continuous
Pan Speed	Pan manual speed: 0.1° -300°/s, pan preset speed: 540°/s
Tilt Range	-5 ~ 90° (Auto Flip)
Tilt Speed	Tilt manual speed: 0.1°-240°/s, tilt preset speed: 400°/s
Presets	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park Action	Preset / patrol / pattern / pan scan / tilt scan / random scan / frame scan / panorama scan
Protocol	Pelco-P, Pelco-D, self-adaptive
Environment	
Operating Environment	Indoor/Outdoor
Ingress Protection	All-weather IP-67
Vandal Proof	IEC60068-2-75Eh, 50J; EN50102, IK10
Operating Temperature	-22 ~ 149° F (-30 ~ 65° C) outdoor 14 ~ 122° F (-10 ~ 50° C) indoor
Operating Humidity	≤ 90% non-condensing
Electrical	
Input Voltage	AC 24V ± 10%, High PoE (802.3at)
Current Draw	Outdoor dome: Max. 40W (Heater On), Max. 20W (Heater Off); Indoor/In-ceiling dome: Max. 20W
Surge Protection	TVS 4,000V lightning protection, surge protection and voltage transient
General	
Weight	11.02 lbs (5000 g)
Dimensions	Φ220 × 325.5mm (Φ8.66" × 12.81") (outdoor), Φ183.4 × 247mm (Φ7.22" × 9.72") (indoor)
Optional Accessories	CAM-BKT-IPZ Series CAM-BKT-PTZ-CNR CAM-BKT-PTZ-PIL CAM-BKT-PTZ-PPT Series
Warranty	5 Years

AVAILABLE MODELS

Part number	Description
CAM-IPM-2ZUL-23X-IR	2 Megapixel Ultra-Low Light Outdoor 23x IP PTZ w/ 200MIR
CAM-IPM-2ZUL-36X-IR	2 Megapixel Ultra-Low Light Outdoor 36x IP PTZ w/ 200MIR
CAM-IPM-2ZUL-36X-IRL	2 Megapixel Ultra-Low Light Outdoor 36x IP PTZ w/ 800MIR

CAM-IPM-2ZUL Series

Aventura™

CAM-IPM-2ZUL Series

2 MP Ultra-Low Light IP PTZ



CAM-IPM-2ZUL Series

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