

- 8 Megapixel (4K)
- 1/1.8" Progressive Scan CMOS
- Up to 36x Optical Zoom
- Auto-Tracking
- H.264 / MPEG4 / MJPEG
- AC 24V / PoE
- ONVIF / PSIA / CGI Compliant



### SPECIFICATIONS

#### Optical Camera

Imaging Device	1/1.8" Progressive Scan CMOS
Resolution	8 Megapixel (4K)
Zoom	Up to 36x Optical Zoom
Lens	23x 3.9 ~ 89.7 mm (F1.6 ~ F3.5) 36x 3.4 ~ 122 mm (F1.6 ~ F3.5)
Field of View (H)	23x 80.1 ~ 4.2°, 36x 87.9 ~ 3.1°
Min. Illumination	Color: 0.3Lux@F1.6 (AGC On) B/W: 0.02Lux@F1.6 (AGC On)
Day Night Type	√
Wide Dynamic Range	WDR > 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
Effective Range	600 ft (200 m)

### CAM-IPM-8ZA Series

### 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 SD/SDHC slot, up to 32 GB
Additional Features	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	IP66 standard (outdoor dome)
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)
Regulatory Type	CE, FCC, UL
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-8ZA-36X-DN	8 Megapixel 36x Auto-Tracking H.264 Outdoor Network PTZ
CAM-IPM-8ZA-36X-IC	8 Megapixel 36x Auto-Tracking H.264 In-Ceiling Network PTZ
CAM-IPM-8ZA-36X-IR	8 Megapixel 36x Auto-Tracking H.264 Outdoor Network PTZ w/ 100MIR

## CAM-IPM-8ZA Series

# Aventura™

## CAM-IPM-8ZA Series

8 MP Advanced IP PTZ



## CAM-IPM-8ZA Series

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