

- Up to 3 MP Resolution
- 1/3" Progressive Scan CMOS
- Auto-Tracking (optional)
- 120m-300m IR distance
- WDR, 3D DNR, BLC
- IP66 rating
- ONVIF / PSIA / CGI Compliant



SPECIFICATIONS

Optical Camera

Imaging Device	1/3" Progressive Scan CMOS
Resolution	1280x960 (1.3MP), 1920x1080 (2MP), 2048x1536 (3MP)
Zoom	20x or 30x
Lens	20x 4.3 ~ 86 mm (F1.4 ~ F2.6) 30x 4.3 ~ 129 mm (F1.6 ~ F5)
Field of View (H)	58.3 ~ 3.2° (20x) 65.1 ~ 2.34° (30x)
Min. Illumination	1MP: Color: 0.05Lux@F1.6, BW: 0.005Lux@F1.6 (AGC On) 2MP: Color: 0.05Lux@F1.6, BW: 0.01Lux@F1.6 (AGC On) 3MP: Color: 0.3Lux@F1.6, BW: 0.02Lux@F1.6 (AGC On)
Day Night Type	√
Wide Dynamic Range	120 dB
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	50Hz:25fps @ 1280x720, 1280x960, 1920x1080 (2MP), 2048x1536 (3MP) 60Hz:30fps @ 1280x720, 1280x960, 1920x1080 (2MP), 2048x1536 (3MP)
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 16 users, 3 Levels: Administrator, Camera control, Live view only
System Compatibility	ONVIF, PSIA, CGI
Communication Interface	1 RJ45 10M/ 100Methernet interface

Illuminator

Type	IR LED
Effective Range	120 M(20x), 150m (30/36x), 300m (44x)

Additional Features

CAM-IPM-Z-IR Series

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48 Mall Drive Commack NY 11725 USA
Tel: 631-300-4000 | Fax: 631-434-7000
www.aventuracctv.com

Built-In Analytics	Face Detection, Intrusion Detection, Enter/Exit, Removed/Left object, Region of Interest, Advanced Motion Detection and Line crossing
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	Enhanced Defog Technology (CAM-IPM-1Z-30X-IR)
Pan/Tilt	
Pan Range	360° Continuous
Pan Speed	Pan manual speed: 0.1° -160°/s, pan preset speed: 160°/s
Tilt Range	-30 ~ 90° (Auto Flip)
Tilt Speed	Tilt manual speed: 0.1°-120°/s, tilt preset speed: 120°/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
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 (-ZA models only)
Current Draw	Max 50W (IR LED On), Max 35W (IR LED Off)
Surge Protection	TVS 4,000V lightning protection, surge protection and voltage transient
General	
Weight	12.13 lbs (5500 g)
Dimensions	Φ245 × 399mm (Φ9.65" × 15.71")
Warranty	5 Years

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AVAILABLE MODELS

Part number	Description
CAM-IPM-2Z-44X-IR	2MP 44X IR Network PTZ Dome Camera, Analytics, 350MIR Distance
CAM-IPM-1Z-20X-IR	1.3MP Infrared 20x IP PTZ
CAM-IPM-1Z-30X-IR	1.3MP Infrared 30x IP PTZ
CAM-IPM-2Z-20X-IR	2MP Infrared 20x IP PTZ
CAM-IPM-2Z-30X-IR	2MP Infrared 30x IP PTZ
CAM-IPM-1ZA-20X-IR	1.3MP Infrared 20x IP PTZ with Auto-Tracking and High PoE
CAM-IPM-1ZA-30X-IR	1.3MP Infrared 30x IP PTZ with Auto-Tracking and High PoE
CAM-IPM-2ZA-20X-IR	2MP Infrared 20x IP PTZ with Auto-Tracking and High PoE
CAM-IPM-2ZA-30X-IR	2MP Infrared 30x IP PTZ with Auto-Tracking and High PoE
CAM-IPM-3ZA-20X-IR	3MP Infrared 20x IP PTZ with Auto-Tracking and High PoE



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