

- o 1.3 Megapixel (1280 x 960)
- o 1/3" Progressive Scan CMOS
- o Up to 30X Optical Zoom
- o H.264 / MPEG4
- o AC 24V / PoE
- o ONVIF / PSIA / CGI Compliant



SPECIFICATIONS

Optical Camera

| | |
|-----------------------|--|
| Imaging Device | 1/3" Progressive Scan CMOS |
| Resolution | 1280 x 960 |
| Effective Pixels | 1320K pixels |
| Zoom | Up to 30x Optical Zoom (12z/16x Digital Zoom) |
| Lens | 4.7 ~ 94.0mm (F1.4 ~ F3.5), 20x 4.3 ~ 129 mm (F1.6 ~ F5), 30x |
| Field of View (H) | 58.3 ~ 3.2° (20x) 58.9 ~ 2.11° (30x) |
| Min. Illumination | Color: 0.05Lux@F1.6 B/W: 0.01Lux@F1.6 |
| Day Night Type | IR cut filter with auto switch |
| Wide Dynamic Range | √ |
| Electronic Shutter | 1/25 ~ 1/10,000 s |
| Auto Iris | √ |
| Signal-to-Noise Ratio | ≥ 52dB |

Encoding

| | |
|-------------------|--|
| Video Compression | H.264 / MPEG4 |
| Frame Rate | 50Hz25fps(1280×960), 25fps (1280×720) 60Hz30fps(1280×960), 30fps (1280×720) |
| Streaming | Dual-Stream |
| Audio Compression | G.711u /G.711a /G.726 |

Network

| | |
|-------------------------|---|
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, 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/ 100Methernet interface |

Additional Features

| | |
|-----------------|-----------------------------|
| Noise Reduction | 3D DNR (Auto, Manual 1-256) |
|-----------------|-----------------------------|

CAM-IPM-1Z Series

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| | |
|-------------------------|---|
| 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 Micro SD/SDHC slot, up to 64 GB |
| Pan/Tilt | |
| Pan Range | 360° Continuous |
| Pan Speed | Pan Manual Speed: 0.1° ~ 250°/s, Pan Preset Speed: 300°/s |
| Tilt Range | -30 ~ 90° (Auto Flip) |
| Tilt Speed | Tilt Manual Speed: 0.1° ~ 150°/s, Tilt Preset Speed: 200°/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%, PoE+ |
| Current Draw | Max. 22W / 14W (Heater On / Off) |
| Surge Protection | TVS 4,000V lightning protection, surge protection and voltage transient |
| General | |
| Weight | 11.02 lbs (5000 g) |
| Dimensions | Φ220×305mm (Φ8.66"×12.02") (Outdoor) Φ183.4×243mm (Φ7.22"×9.56") (Ceiling) Φ245×236mm (Φ9.65"×9.29") (In-ceiling) |
| Regulatory Type | CE, FCC, RoHS, UL, IK10 |
| Optional Accessories | CAM-BKT-IPZ Series CAM-BKT-PTZ-CNR CAM-BKT-PTZ-PIL CAM-BKT-PTZ-PPT Series, PS-AC1500MA, ITH-POE-01 |
| Warranty | 5 Years |

AVAILABLE MODELS

| Part number | Description |
|-------------------|---|
| CAM-IPM-1Z-20X-DN | 1.3 Megapixel 20x CMOS H.264 Outdoor Network PTZ |
| CAM-IPM-1Z-20X-IC | 1.3 Megapixel 20x CMOS H.264 In-Ceiling Network PTZ |
| CAM-IPM-1Z-30X-DN | 1.3 Megapixel 30x CMOS H.264 Outdoor Network PTZ |
| CAM-IPM-1Z-30X-IC | 1.3 Megapixel 30x CMOS H.264 In-Ceiling Network PTZ |

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1 MP H.264 Network PTZ



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