

- Up to 3 MP Resolution
- 1/3" Progressive Scan CMOS
- Defog Image Processing
- Auto-Tracking (optional)
- 120m IR distance
- 3D DNR, BLC
- IP66 rating



### 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	√
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/ 100M ethernet interface

#### Additional Features

Noise Reduction	√
Back Light Compensation	√
Auto White Balance	√
Alarm Input/Output	7 inputs, 2 outputs



## XTREME-IPM-Z-IR Series

1.3MP-3MP Infrared IP PTZ

Audio Input/Output	Audio input (Line input), 2-2.4V[p-p]; output impedance: 1K $\Omega$ , $\pm$ 10% Audio output line level impedance: 600 $\Omega$
On-board storage	Built-in SD/SDHC slot, up to 32 GB
Additional Features	Enhanced Defog Technology (CAM-IPM-1Z-30X-IR)
<b>Pan/Tilt</b>	
Pan Range	360° Continuous
Pan Speed	Pan manual speed: 0.1° -160°/s, pan preset speed: 160°/s
Tilt Range	-2 ~ 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
<b>Environment</b>	
Operating Environment	Indoor/Outdoor
Ingress Protection	IP66
Operating Temperature	-22 ~ 149° F (-30 ~ 65° C) outdoor 14 ~ 122° F (-10 ~ 50° C) indoor
Operating Humidity	$\leq$ 90% non-condensing
<b>Electrical</b>	
Input Voltage	AC 24V $\pm$ 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
<b>General</b>	
Weight	12.13 lbs (5500 g)
Dimensions	$\Phi$ 245 × 399mm ( $\Phi$ 9.65" × 15.71")
Warranty	1 Year

### AVAILABLE MODELS

Part number	Description
XTREME-IPM-1Z-20X-IR	1.3MP Infrared 20xIP PTZ
XTREME-IPM-1Z-30X-IR	1.3MP Infrared 30xIP PTZ
XTREME-IPM-2Z-20X-IR	2MP Infrared 20xIP PTZ
XTREME-IPM-2Z-30X-IR	2MP Infrared 30xIP PTZ
XTREME-IPM-1ZA-20X-IR	1.3MP Infrared 20xIP PTZ with Auto-Tracking and High PoE
XTREME-IPM-1ZA-30X-IR	1.3MP Infrared 30xIP PTZ with Auto-Tracking and High PoE
XTREME-IPM-2ZA-20X-IR	2MP Infrared 20xIP PTZ with Auto-Tracking and High PoE
XTREME-IPM-2ZA-30X-IR	2MP Infrared 30xIP PTZ with Auto-Tracking and High PoE
XTREME-IPM-3ZA-20X-IR	3MP Infrared 20xIP PTZ with Auto-Tracking and High PoE



## **XTREME-IPM-Z-IR Series**

*1.3MP-3MP Infrared IP PTZ*

