



16 Megapixel 180° Panoramic Network Bullet Camera

PLC-4216M-AI-PN-IR3/PM

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WDR



Day/Night



3D DNR



Starlight



Smart
Detection



IK10



IP67



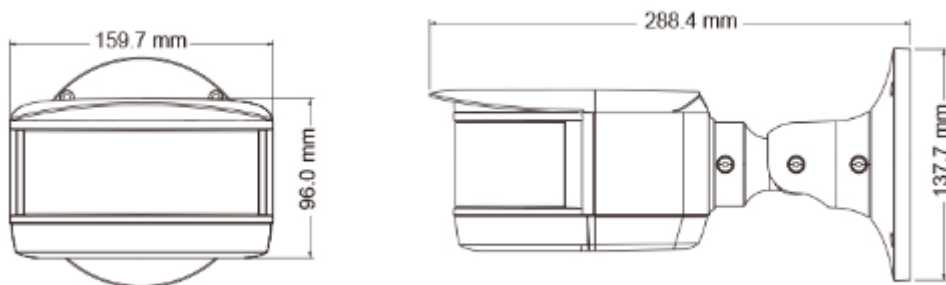
H.265

Key Features:

- ❖ Four 4MP modules stitched into a 16MP panoramic stream (5520 × 2400).
- ❖ True Starlight technology delivers vivid color images in very low light
- ❖ 30 m Smart IR ensures clear and uniform black-and-white images
- ❖ Supports DWDR, 3D DNR, BLC, and HLC for improved image clarity.
- ❖ Covers up to 7,800 m² for crowd monitoring and activity recording.
- ❖ Detects up to 100 faces per second within a 278 m² area.
- ❖ Alarms triggered by crowd density limits, mask status, line crossing, intrusion.
- ❖ Supports 5 e-PTZ zones, 4 privacy mask zones, and custom logo overlay.
- ❖ ONVIF compliant for interoperability with third-party systems.
- ❖ IP67 waterproof, IK10 vandal-resistant
- ❖ Metal housing; operates from -30 °C to 60 °C.
- ❖ One IP, one cable design
- ❖ supports PoE+ (802.3at, Class 3) and DC 12V power.
- ❖ Interfaces include RJ45, SD card, alarm I/O, audio, and RS485.



Dimensions:



Specifications:

Model	PLN-4216M-AI-PN-IR3/PM
Image sensor	1/1.8" progressive scan CMOS image sensor x 4
Mini. Illumination	Color : 0.008Lux @ (F2.0AGC ON) ; B/W : 0.008Lux @ (F2.0, AGC ON);0Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/10,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Digital Zoom	16x
Privacy Mask	4 Programmable privacy masks
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	D-WDR
Defog	Electronic
EIS	Yes
Regional Exposure	No
Picture overlay	Logo picture could be overlaid on video
Focus length	4.5mm lens x 4
Aperture	F2.0
FOV	Panoramic image: Horizontal FOV:180° ; Vertical FOV: 85°
Working distance	1.0m ~ INF
IR Range	30m radius
Smart IR	Yes
Max Resolution	5520x2400@25/30fps
Main stream	5520 x2400, 3840x1680, 2784x1200(25/30fps)
Sub stream:	2048x896,704x320(25/30fps)
Third stream:	704x320 (25/30fps)
SVC	Yes
Video compression	Smart H.265/H.264/MJPEG
Audio compression	G.711 A/U
Audio Enhancement	Not support
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous live view	Up to 6 channels
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
Basic event	Motion detection (panorama and original modes support), video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)

Face Recognition	Max 100 human faces (mask) per second (default off) (V5.0.1 and later)
Face Comparison	Default off
People Density Statics	Yes (only the panorama mode support)
Smart Detection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection
ePTZ	5 Zones, auto trace and zoom fit (V5.0.1 does not support)
Alarm Linkage	Upload to FTP/Memory card, notify surveillance Center, send email, trigger alarm output, trigger recording, trigger capture
Alarm Interface	1CH alarm input; 1CH alarm output
Audio Interface	1CH audio input, 2 to 2.4v[p-p] 1kΩ±10%; 1CH audio output (line out), impedance: 600Ω
Network Interface	1 RJ45 10M/100M/1000MAdaptive Ethernet (Support PoE 802.3.at)
CVBS	Optional
RS 485	Pelco-D / P protocol, custom protocols available
Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256G
USB3.0	Not support
Fiber Optical	Not Support
GIS	Not Support
API	ONVIF, support Pollo SDK and third-party management platform
Client	Pollo PVMS Plus and the third-party client
Web Browser	IE8-11 (NOT support Safari /Firefox /Chrome)
Power	DC12V, PoE+(802.3.at, class 3), (Max 25W, include IR on)
Working condition	-30°C ~ 60°C (-22°F ~ 140 °F),90%RH less (non-condensing), cold start at -20°C
Storage condition	-40°C ~ 70°C; ≤ 95%RH
Protection	IP 67, IK 10, 6000VLightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminium Alloy; PC + GF
Dimensions	L x W x H = 288.4mm x 159.7mm x 137.7mm (11.35" x 6.29"x 5.42")
Weight	Approx. 2.1Kg(4.63lb)
Certification	ROHS, CE, FC, IK10, IP67