



8 Megapixel Quad-Directional Panoramic Network Camera

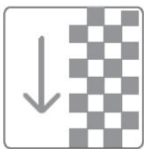
PLC-488M-AI-PN-IR3/PM

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Day/Night



3D DNR



Starlight



VCA



IK10



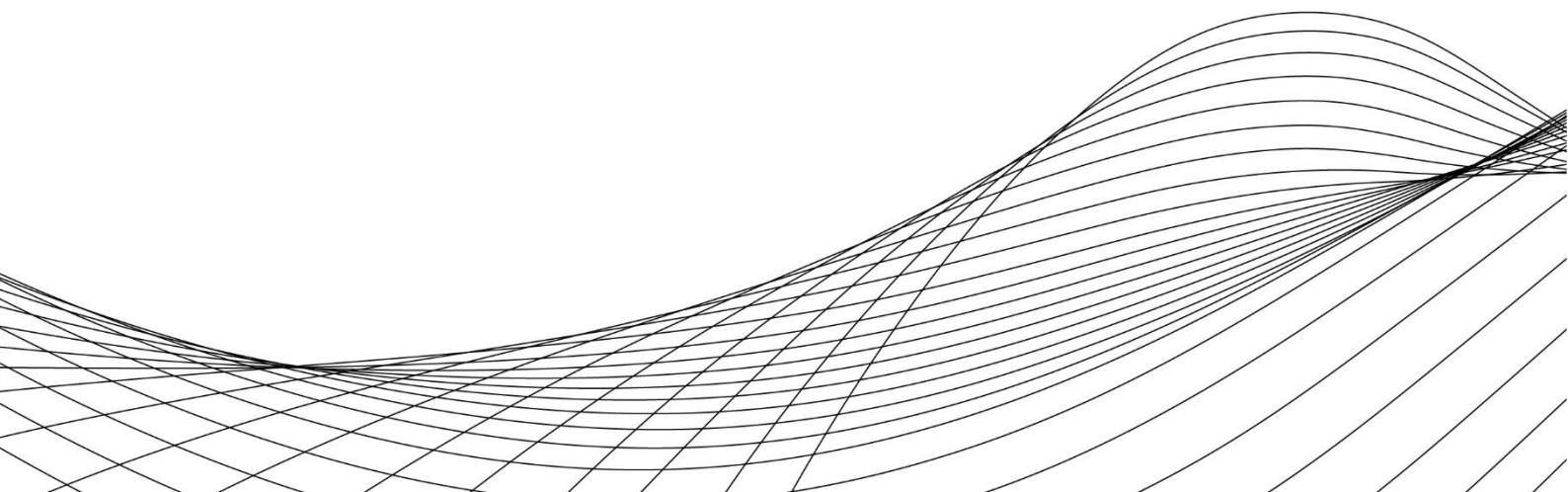
IP67



PoE++



H.265

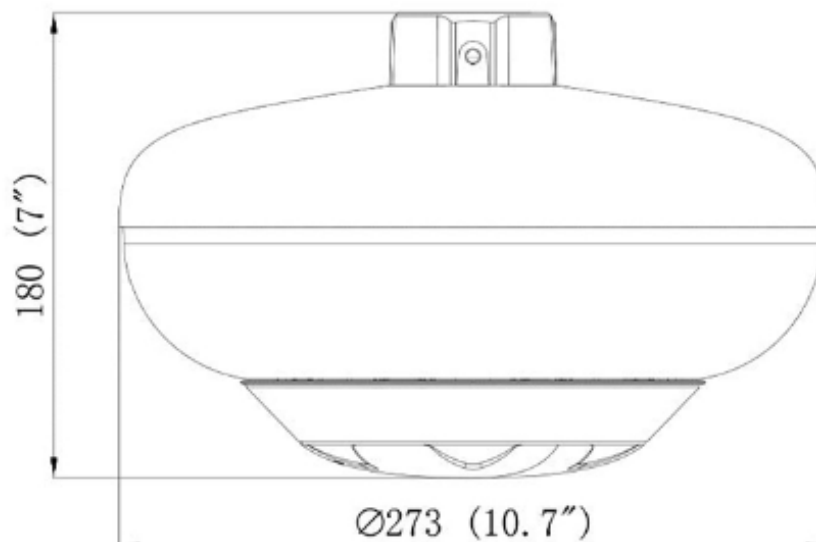


Key Features:



- ❖ Four 1080P video modules are stitched together to create 8MP video stream.
- ❖ Delivers 8MP resolution (3840×2160) for smooth, real-time monitoring.
- ❖ Operates with one IP address and one video interface
- ❖ Requires one PoE++ cable, reducing installation time
- ❖ 6th-generation stitching technology ensures seamless images
- ❖ 6th-generation Starlight + HDR technology delivers vivid color images
- ❖ Circular IR illumination covering up to 30 meters.
- ❖ Programmable VCA supports human and vehicle detection.
- ❖ Built-in 4 TOPS deep-learning AI engine with 8 GB DDR memory for future AI.
- ❖ Supports alarm triggers based on smart motion detection
- ❖ Fully supports ONVIF standards with third-party network video systems.
- ❖ Full interface support: RJ45, SD card, alarm I/O, audio, reset
- ❖ Built-in heater and fan, IP67 waterproof, IK10 vandal-resistant
- ❖ Supports PoE++ (802.3.bt, Class 6) as well as DC 24V / AC 24V power input.
- ❖ Supports VR linkage, e-tags, e-map applications, and POLLO PVMS Plus
- ❖ Remote monitoring via smartphones running iOS and Android.
- ❖ Includes video blur detection, scene change detection, line crossing detection

Dimensions:



Specifications:

Model	PLN-488M-AI-PN-IR3/PM
Image sensor	1/2.8" progressive scan CMOS x 4CH
Mini. Illumination	Color 0.005Lux @ (F1.6, AGC ON) ; B/W : 0.001Lux @ (F1.6, AGC ON); 0Lux with IR
Image setting	Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/100,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Privacy Mask	4CH x 1 Programmable privacy masks
Image Enhancement	DWDR, 3D DNR, Digital zoom, Logo picture Overlay
Angle Adjust	Circular slide 0°~95°, vertically rotate 40°~70°, 4CH
EFL/F/no	4.0mm lens x 4CH, F1.6
FOV	(Horizontal Vertical) FOV: 90°x50°
Working distance	0.2m ~ INF
IR Range	25m (in radius), cover about 2000 square meters, 360°(H) x 90°(V)
Smart IR	Yes
Max Resolution	3840x2160(1~30fps)
Stream 0	Panoramic view: 3840x2160, 2560x1440, 1920x1080(1~30fps)
Stream 1	CH1: 1920x1080, 1280x720, 720x480(1~30fps)
Stream 2	CH2: 1920x1080, 1280x720, 720x480 (1~30fps)
Stream 3	CH3: 1920x1080, 1280x720, 720x480 (1~30fps)
Stream 4	CH4: 1920x1080, 1280x720, 720x480 (1~30fps)
Video compression	H.265+/H.265/H.264+/H.264/MJPEG
Audio compression	G.711 A/U
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, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)
Smart Detection	Up to 4 regions configurable: Human/vehicle detection and classification, Face comparison, Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, Scene change detection.
ROI	Up to 4 regions configurable
Alarm Linkage	Upload to FTP/Memory card, notify surveillance centre, 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 Adaptive Ethernet (Support PoE+(802.3.at, class 4))
Storage	Built-in memory card slot, support microSD/SDHC/SDXC, up to 256G
API	ONVIF, support POLLO SDK and third-party management platform
Client	POLLO NVR, POLLO PVMS Plus
Web Browser	IE8-11
Power	AC24V, DC24V, PoE+ (802.3.at, class 4), (Max 25W, include IR on)
Working condition	-30°C ~ 55°C (-22 °F ~ 131 °F),90%RH less (non-condensing), Cold start at - 20°C
Storage condition	-40°C ~ 70°C; ≤ 95% RH
Protection	IP 66, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminium Alloy; Plastic
Dimensions	Φ 273mm x H 180mm (Φ 10.7" x 7")
Weight	Net weight Approx. 3.26 Kg (7.18 l.b.)
Certification	IK10, IP67, ROHS, CE, FC