pöllö
Prime Series

16MP 360° PANORAMIC IP CAMERA

PLC-4816M-AI-PN-IR3/PM

www.pollo.net.au   info@pollo.net.au

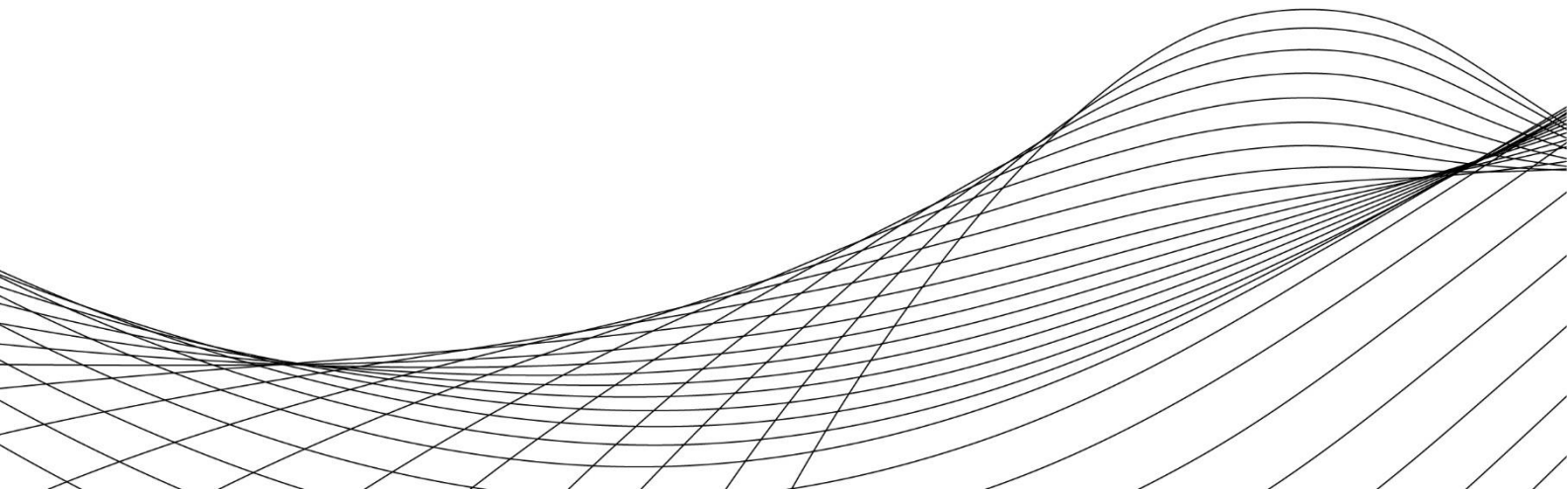| Day/Night	3D DNR	Starlight	VCA	IK10	IP67	PoE++	H.265

Key Features:

- Eight 1080P video modules to stitch one 16MP, 360°surrounded video stream.

- 16MP (4096×1800×2) resolution, 25/30fps real-time

- One IP address, One Video Interface, similar with One IPC, easy to learn, management, and deployment.

- One Cable (PoE++), One bracket and One Panoramic camera, easy to install, reducing TOC (Total own cost).

- Advanced real-time stitching technology without geometry, brightness and colour gap 6th gen Starlight &HDR technology (0.008lux@F2.0 AGC on) provides vivid colour at most scenarios.

- 360°(H) × 90°(V) circular IR illumination, up to 20m in radius.

- Programmable VCA: human/vehicle detection, intrusion, line crossing, etc.

- 4 Tops Deep-learning AI engine,8Gb DDR for more AI algorithm updates.

- Alarm driven by multi-rules: cross line, intrusion, device error, etc.

- ONVIF specifications, interoperability between network video products regardless of manufacturer.

- Full Interface: RJ45, SD Card, Alarm, Audio, Reset - 30°C~55°C (-22 °F ~ 131 °F), Built-in heater and fan, IP67 waterproof, IK10, Metal case.

- Support PoE++(802.3.bt, class6) and DC24V / AC24V

- Support Virtual reality (VR) linkage, e-tags, e-map application with POLLO PVMS Plus Support dual streams.

- Support mobile surveillance by smart phones with iOS and Android OS.

- Intelligent analytics: video blur detection, scene change detection, line crossing detection and region intrusion detection.

Specifications:

Model	PLN-4816M-AI-PN-IR3/PM
Image sensor	1/2.8" progressive scan CMOS image sensor x8
Mini. Illumination	Color：0.008Lux @ (F2.0, AGC ON)　；B/W：0.008Lux @ (F2.0 AGC ON); 0Lux with IR
Image setting	Image vertical rotation, 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	8 Programmable privacy masks
Image Enhancement	3D DNR, Digital zoom, Logo picture Overlay
Vertical Rotation	Manual adjustment, 8 pitches, 45°per pitch
Focus length	3.3mm, x8
Aperture	F2.0
FOV	Panoramic image: Horizontal FOV: 2x180° (360°)　；Vertical FOV: 85°
Working distance	1.0m ~ INF
IR Range	20m in radius,360°(H) × 90°(V)
Smart IR	Yes
Max Resolution	8192 ×1800, 25/30fps
Main stream	8192 ×1800, 3840 × 1680, 2784 × 1200 (1~30fps)
Sub stream:	2048 × 896, 1280 × 560, 704 × 320 (1~30fps)
Third stream:	704 × 320 (1~30fps)
Video compression	H.265/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, 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 8 regions configurable: Human/vehicle detection and classification, Face comparison, Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Scene change detection, etc.
ROI	Up to 4 regions configurable
Alarm Linkage	Upload to FTP/Memory card, send email, trigger alarm output, trigger recording, trigger snapshot
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/1000M Adaptive Ethernet (Support PoE++(802.3.bt, class 6))
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 (Support VR, e-Tag, e-map application)
Web Browser	IE8-11
Power	AC24V, DC24V, PoE++ (802.3.bt, class 6), (Max 45W, include IR on, Fan on and Heater 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	IP67, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Camera body: Aluminium Alloy; Bubble and IR cover: Plastic
Dimensions	¢ 273mm x H 180mm (¢ 10.7" x 7")
Weight	Net weight Approx. 2.0Kg (4.4 lb)
Certification	IK10(exclude plastic cover), IP67, ROHS, CE, FC

Dimensions: