

pöllö   
**Prime Series**



## 16MP 180° PANORAMIC IP CAMERA

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

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WDR



Day/Night



3D DNR



Starlight



Smart  
Detection



IK10

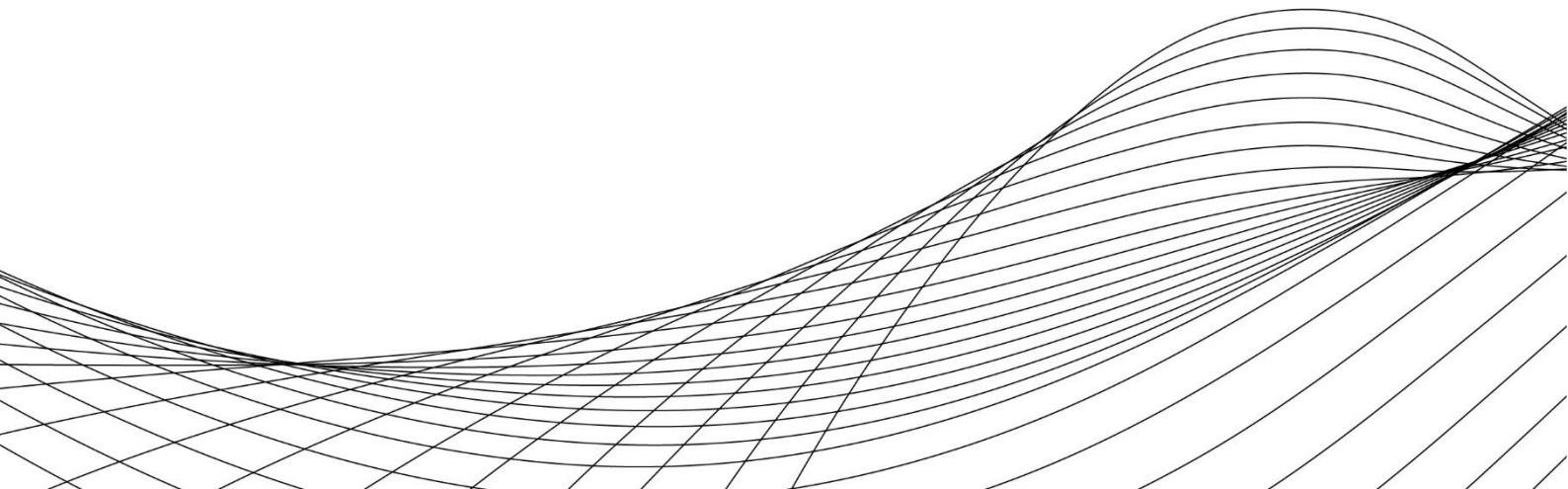


IP67



H.265

H.265

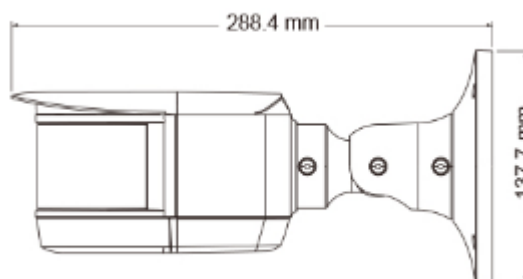
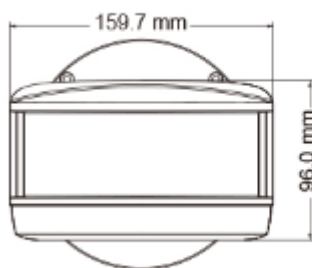




## Key Features:

- ❖ Four 4MP video modules to stitch one 16MP (5520x2400), 180°panoramic view stream
- ❖ True starlight technology (0.008lux@F2.0 AGC on) provides vivid colour at most scenarios
- ❖ 30m Smart IR provides clear and uniform B/W image under no light condition
- ❖ DWDR, 3D DNR, BLC, HLC
- ❖ Covers a large public area (7,800m<sup>2</sup> or 70 m in radius) to count crowd density, record actions.
- ❖ Recognizes max.100 faces/sec within a public area (278 m<sup>2</sup> or 13m in radius)
- ❖ Alarm triggered by multi-rules: crowd density limit, mask-wearing status, line crossing, intrusion, device error
- ❖ 5 zones of e-PTZ, 4 zones of privacy masks, and custom logo support.
- ❖ ONVIF, interoperability between network video products, regardless of manufacturer
- ❖ Interface: RJ45, SD Card, Alarm, Audio, RS485
- ❖ - 30°C~ 60°C (-22°F ~ 140 °F), IP67, IK10, Metal body
- ❖ PoE+ (802.3.at, class 3), and DC12V
- ❖ One IP, one cable, reducing total fees

## Dimensions:





## Specifications:

<b>Model</b>	<b>PLN-4216M-AI-PN-IR3/PM</b>
<b>Image sensor</b>	1/1.8" progressive scan CMOS image sensor x 4
<b>Mini. Illumination</b>	Color : 0.008Lux @ (F2.0AGC ON) ; B/W : 0.008Lux @ (F2.0, AGC ON);0Lux with IR
<b>Image setting</b>	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
<b>Shutter Speed</b>	1/1 s – 1/10,000 s
<b>White Balance</b>	Auto/Manual/Indoor/Outdoor
<b>Gain</b>	Auto/Manual
<b>Day &amp; Night</b>	IR Cut filter
<b>Digital Zoom</b>	16x
<b>Privacy Mask</b>	4 Programmable privacy masks
<b>3D DNR</b>	Auto/Manual
<b>BLC</b>	Yes
<b>HLC</b>	Yes
<b>WDR</b>	D-WDR
<b>Defog</b>	Electronic
<b>EIS</b>	Yes
<b>Regional Exposure</b>	No
<b>Picture overlay</b>	Logo picture could be overlaid on video
<b>Focus length</b>	4.5mm lens x 4
<b>Aperture</b>	F2.0
<b>FOV</b>	Panoramic image: Horizontal FOV:180° ; Vertical FOV: 85°
<b>Working distance</b>	1.0m ~ INF
<b>IR Range</b>	30m radius
<b>Smart IR</b>	Yes
<b>Max Resolution</b>	5520x2400@25/30fps
<b>Main stream</b>	5520 x2400, 3840×1680, 2784×1200(25/30fps)
<b>Sub stream:</b>	2048×896,704x320(25/30fps)
<b>Third stream:</b>	704x320 (25/30fps)
<b>SVC</b>	Yes
<b>Video compression</b>	Smart H.265/H.264/MJPEG
<b>Audio compression</b>	G.711 A/U
<b>Audio Enhancement</b>	Not support
<b>Protocols</b>	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
<b>Simultaneous live view</b>	Up to 6 channels
<b>User / Host</b>	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
<b>Security Measures</b>	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering

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