

pöllö 
Prime Series



8 Megapixel 40x AI PTZ Camera

PLC-9840-AI-IR30/PM

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Smart Tracking



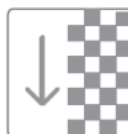
Starlight



True WDR



Day/Night



3D DNR



PoE++



IP67



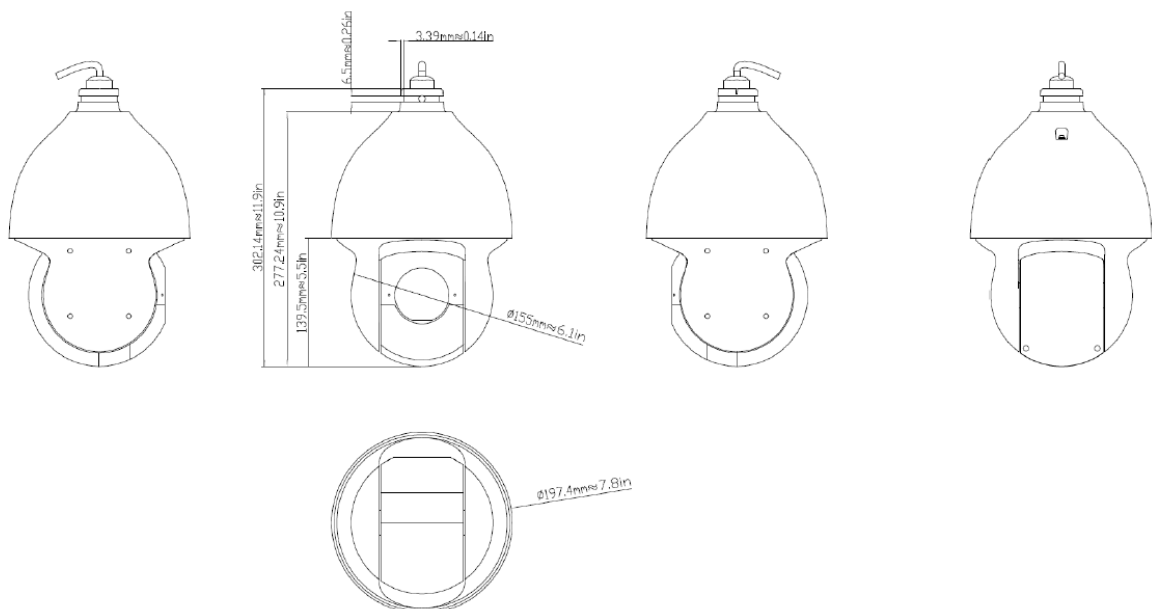
H.265

Key Features:

- ✔ 1/2.8" progressive scan CMOS
- ✔ 3840x2160 Pixels (4K) Resolution
- ✔ 0.01 Lux Min. Illumination for Day Time Color View
- ✔ 300-meter IR Night View Range
- ✔ 40X Optical Zoom with 4.0~160mm Varifocal Lens
- ✔ Support Face Detection, Capturing and Comparison
- ✔ Smart tracking of human and vehicles
- ✔ Support smart detection and perimeter protection
- ✔ Motion Detection Alarm Trigger
- ✔ Line Crossing Detection
- ✔ Region Intrusion Detection
- ✔ Highlight Compensation for Image Correction
- ✔ Backlight Compensation for Image Correction
- ✔ ONVIF Protocol Supported
- ✔ IP67 Water & Dust Proofing
- ✔ PoE (IEEE802.3af)



Dimensions:



Specifications:

Model	PLC-9840-AI-IR30/PM
Image sensor	1/2.8" progressive scan CMOS image sensor
Max resolution	3840×2160
Mini. Illumination	Color: 0.01 Lux @ (F1.3,AGC ON); B/W:0.002 Lux @(F1.3, AGC ON); 0 Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client
Shutter Speed	60Hz: 1/30s – 1/30,000s; 50Hz: 1/25s~1/25,000s
White Balance	Auto/Manual/Indoor/Outdoor
Gain control	Auto/Manual
Day & Night control	Auto/Manual, time schedule
Iris control	Auto/Manual
SNR	≥52dB
3D DNR	Auto/Manual
AE Enhancement	BLC, HLC, WDR
Digital Zoom	16X
EIS	N/A
Privacy Mask	4 mask areas (ver5.1.1)
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits format
OSD overlay	Max 15 characters/line, 8 lines, white or red font color
Focus length	f=4.0-160mm,40x optical zoom
Zoom Speed	Approx. 4.6s (optical zoom, wide-tele)
Field of View	Horizontal: 61.3° ~2.18°; Vertical: 36.9° ~ 1.22°; Diagonal: 68.4° ~ 2.5° (wide-tele) ±5%
Image distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Type	F1.3~F4.8(W-T), HALL_IRIS
IRCut type	Removable IRCF, reflection type
Pan Range	360°endless
Pan speed	Configurable, from 0.1~360°/s; Preset speed: 330°/s
Tilt Range	Mechanical -25° to 155°, auto flip at 90°
Tilt Speed	Configurable, from 0.1~210°/s, Preset speed: 180°/s
Proportional Zoom	Yes
Preset	360
Cruise	8 cruises, up to 16 presets for each cruise (ver5.1.1)
Trace	4 traces, record time over 3 minutes for each trace(ver5.1.)
Power off memory	Support
Action mode	Preset/Cruise/Trace/Auto Scan/Random Scan
3D Positioning	Support
PTZ status display	Support
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot

IR Distance	300m
IR type	8pcs of 5W 855nm IR Array, 4groups
Smart IR	Yes
Mainstream	50Hz/25fps: 3840×2160, 2560×1440, 1920×1080, 1280×960, 1280×720 60Hz/30fps: 3840×2160, 2560×1440, 1920×1080, 1280×960, 1280×720
Sub stream	50Hz/25fps (704 × 576, 640 × 480, 352 × 288) 60Hz/30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz/25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz/30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Standard	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64 Kbps to 16Mbps
Audio compression	G.711 A/U
Audio Bit Rate	64K bps
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, P2P, RTMP
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
API	ONVIF G/S/T, support POLLO SDK and third-party management platform
Client	POLLO PVMS Plus and the third-party client, free iOS and Android App
Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free
Basic event	Motion detection, Video tampering alarm, Exception (Network disconnected, IP address conflict, SD full, SD error)
Face recognition	Face detection, capturing (Default off, open per request) face comparison. Max 15 faces at the same times
Road traffic	Vehicle detecting and tracking
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection
Smart Tracking	Support smart tracking of human or vehicle, auto/manual
Alarm Interface	1 Alarm input (Dry contact); 1 Alarm output
Audio Interface	1 audio input, line level, 2.0-2.4Vpp, impedance 1KΩ; 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet; Support PoE++
SD Card Slot	One MicroSD slot and chamber, up to 256G
Reset button	Yes
Electric Heater &Fan	Yes

Water removal	Remove water-drops by quick spinning
Demist	Active electric heating and air loop
languages	Czech; English, German, Hungarian, Italian, Japanese, Korean, Portuguese, Polish, Russian, Romanian, Spanish, Spanish (Mexico), Simplified Chinese, Turkish, Traditional Chinese
Power consumption	avg. 14W, max 29W, including IR 10W
Power adaptor	AC24V±25%/3000mA, DC24V±25%2500mA
Power over ethernet	PoE++ (802.3.bt,class 6) midspan, network switch, router or high power NVR
Working condition	-40°C ~ 65°C (-40°F ~ 149°F), IR off; -40°C ~ 45°C, IR on; Cold start at - 30°C; 90%RH
Storage condition	-40°C ~ 70°C; ≤ 95% RH
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Shield Material	Aluminum Alloy (ADC12); Polymer (PC+GF15%)
Dimensions	Φ 197mm × 302mm (Φ7.8 inch ×11.9 inch)
Net Weight	Approx. 2.82 Kg (6.22 lb.)
Certification	IP67, IK10, ROHS, CE, FC, KC, BIS, UKCA