



4 Megapixel 45x AI PTZ Camera

PLC-9445-AI-IR50/PM

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Smart Tracking



Starlight



True WDR



VCA



3D DNR



PoE++



IP67



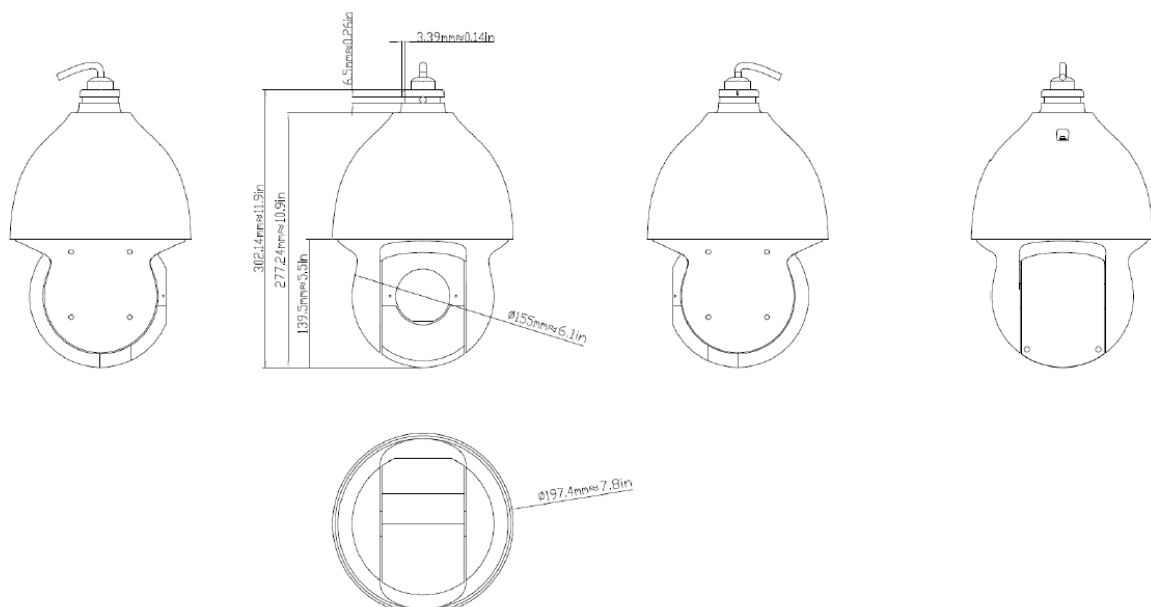
H.265

Key Features:

- ❖ 1/2.7" CMOS Image Sensor
- ❖ 2560x1440 Pixels (2K) Resolution
- ❖ 0.005 Lux Min. Illumination for Day Time Color View
- ❖ 500-meter IR Night View Range
- ❖ 45X Optical Zoom with 3.8~190mm 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-9445-AI-IR50/PM
Image sensor	1/2.7" progressive scan CMOS image sensor, BSI and NIR++
Max resolution	2560x1440
Mini. Illumination	Color : 0.005 Lux@ (F1.2, AGC ON) B/W : 0.001Lux@ (F1.2, 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@30fps; 50Hz: 1/25s~1/25,000s@25fps
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
Privacy Mask	4mask. (Ver 5.1.3 update:24 programmable polygon privacy masks, color or mosaic configurable)
Picture overlay	Logo picture could be overlaid on video with 128×128pixels, 24bits format
OSD overlay	Max 15 characters/line, 8 lines, white or red font color
Focus length	f=3.8-190mm, 45x optical zoom
Zoom Speed	Approx. 5.2s
Field of View (W-T,±5%)	Horizontal: 59.1° ~1.8° Vertical: 38.4° ~ 1.1° Diagonal: 6.9° ~ 2.1°
Image distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Range	F1.2-F3.5(W-T)
Iris Type	HALL_IRIS
IRCut type	Removable IRCF, absorbing 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 (ver5.1.3 update:32presets) for each cruises
Trace	4 traces, record time over 3 minutes(ver5.1.3 update: 10minutes) for each trace
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	500m
IR type	8pcs of 4W 855nm IR Array,4groups
Smart IR	Yes
Mainstream	50Hz/25fps: 2560 ×1440, 1920×1080, 1280×960, 1280×720 60Hz/30fps: 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 filtering
API	ONVIF G/S/T, support POLLO SDK and third-party management platform
Client	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)
Road traffic	Vehicle detecting and tracking(ver5.1.1)
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
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 supply	AC24V±25% 3000mA, DC24V±25%2500mA PoE+ (802.3.at), avg. 12W, max 24W, including IR 8W
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. 2.9 Kg (6.4 lb.)
Certification	IP67, IK10, ROHS, CE, FC, KC, BIS, UKCA