

pöllö 
Prime Series



4MP 37X PTZ

PLC-9437-IR30/PM

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Smart Tracking



Starlight



True WDR



VCA



3D DNR



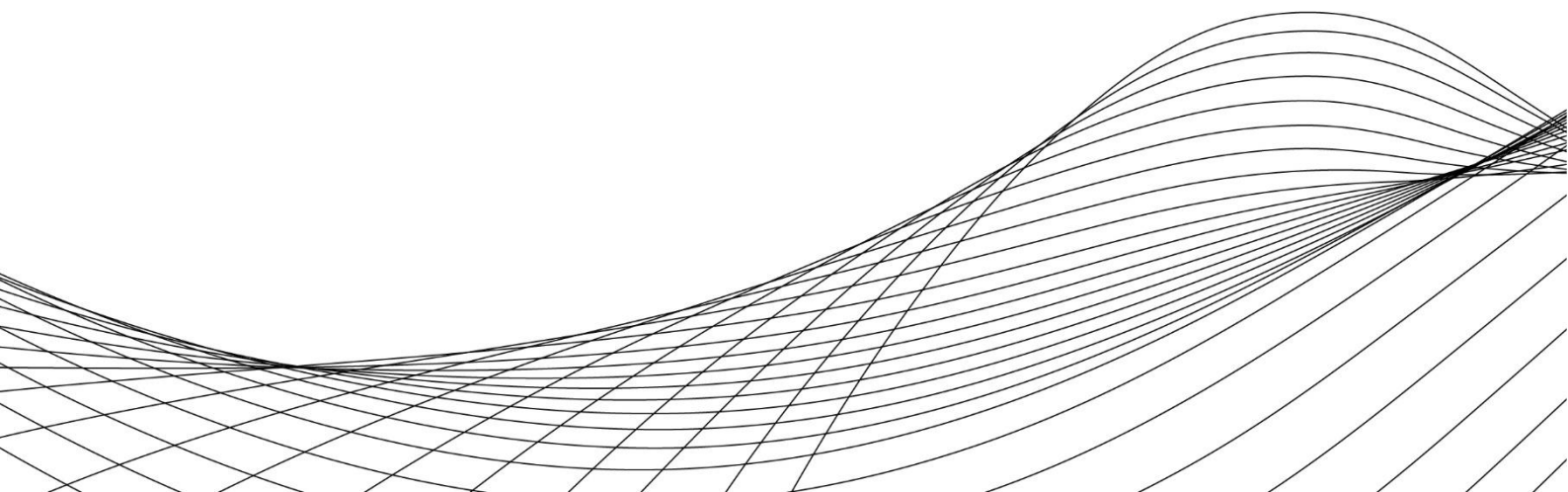
PoE++



IP67



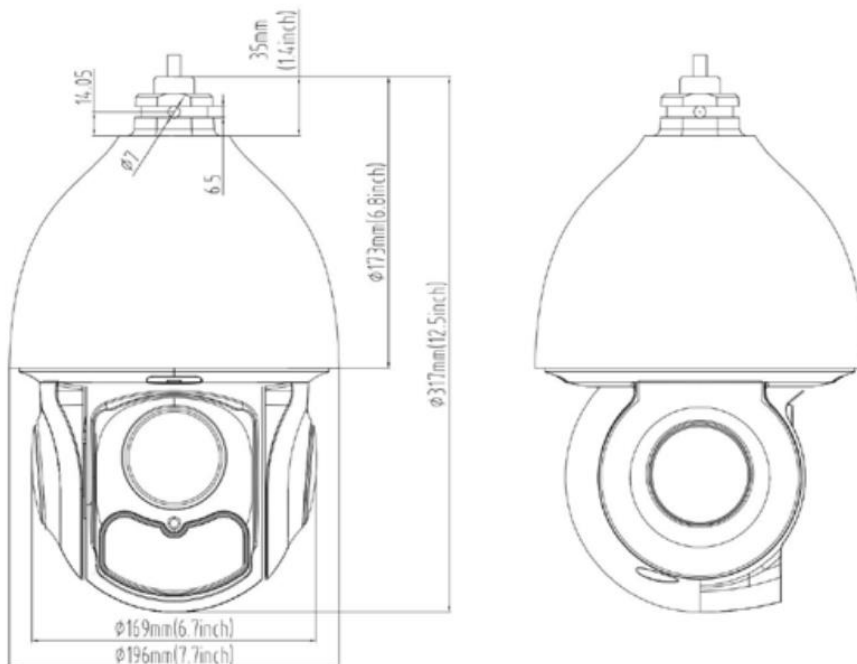
H.265



Key Features:

- ✔ 1/2.9" progressive scan CMOS
- ✔ Up to 4MP@30fps resolution
- ✔ Mini illumination:
- ✔ Color: 0.005 lux @ (F1.2 AGC ON)
- ✔ 0 Lux with IR
- ✔ 37x optical zoom, accurate and fast focusing
- ✔ HDR, 3D DNR, Smart IR
- ✔ Smart H.265+/H.265/H.264+/H.264
- ✔ Intelligent Video content analytics
- ✔ Smart tracking of human/vehicle
- ✔ Smart detection and perimeter protection
- ✔ ONVIF, API and SDK
- ✔ IP67, -40°C~65°C, Aluminium Alloy & Plastic
- ✔ PoE++ (802.3.at, class 6) and DC24V/AC24V

Dimensions:



Specifications:

Model	PLC-9437-AI-IR30/PM
Image sensor	1/2.9" progressive scan CMOS
Mini. Illumination	Color : 0.005Lux @ (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	1/1 s – 1/100,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain control	Auto/Manual
Day & Night control	Auto/Manual, time schedule
Iris control	Auto/Manual
SNR	≥55dB
3D DNR	Auto/Manual
AE Enhancement	BLC, HLC, WDR
Privacy Mask	24 areas, up to 8 masks in the same frame
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format
OSD overlay	max 15 characters/line, 8 lines, white or red font color
Focus length	f=4.0-148mm lens,37x optical zoom
Zoom Speed	Approx. 4.6s (optical zoom, wide-tele)
Field of View	H: 59.3° ~ 2.12°; V: 35.9° ~ 1.18° ; D: 66.4° ~ 2.4° (wide-tele)
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF
Iris Property	DC-IRIS (hall sensor ,16Stops), F1.2 ~ F4.4 (wide-tele)
IRCUT type	Removable IRCUT filter
Pan Range	360°endless
Pan speed	Configurable, from 0.1~120°/s; pre-set speed: 150°/s
Tilt Range	From -5° to 90°,auto flip
Tilt Speed	Configurable, from 0.1°~ 120°/s, pre-set speed: 150°/s
Proportional Zoom	Yes
Pre-set	360
Cruise	8 cruises, up to 16 pre-sets for each cruises
Trace	4 traces, record time over 3 minutes for each trace
Power off memory	Support
Action mode	pre-set/Cruise/Trace/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Schedule Task	pre-set/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot
IR Distance	300m
Max Resolution	2688x1512*1
Main stream	50Hz: 25fps: 2688×1512,2560×1440,1920×1080,1280×960,1280×720, 60Hz: 30fps: 2688×1512,2560×1440,1920×1080,1280×960,1280×720
Sub stream	50Hz: 25fps: (704 × 576, 640 × 480, 352 × 288); 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz:25/50fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz:30/60fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)

Video compression	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 8Mbps
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, DHCP, PPPoE
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)
Face recognizes	Detecting max 15 faces at same scene. Detecting, tracking, capturing
Road traffic	Vehicle detecting and tracking
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exitance detection, Unattended baggage detection, Object removal detection, etc.
Smart Tracking	smart tracking of human or vehicle, auto/manual
Alarm Interface	1 Alarm input (Dry contact); 1 Alarm output
Audio Interface	1 audio input (MIC in); 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, 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++(802.3.bt, class 6)
SD Card Slot	One MicroSD slot and chamber, up to 256G
Reset button	Yes
Heater	Yes
Fan	Yes
Water removal	Remove water-drops by quick spinning
API	ONVIF, support TVT SDK and third-party management platform
Client	TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client
Web Browser	IE8-11
Culture	16 languages: Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish (Mexico); SimplifiedChinese; Turkish; Traditional Chinese.
Power supply	DC24V±25%, AC 24V±25%, PoE++ (802.3.bt, class 6), max 33W include IR ON+PTZ working
Working condition	-40°C ~ 65°C (-40°F ~ 149°F), Cold start at - 30°C; 90%RH
Storage condition	-40°C ~ 70°C; ≤ 95% RH
Protection	IP67, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminium Alloy + Plastic
Dimensions	Φ 209mm × 328mm (Φ8.22 inch × 12.91 inch)
Net Weight	Approx. 3.7 Kg (8.31 lb.)