



350m



IP67



PoE++



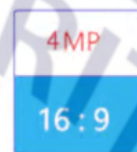
Perimeter



Smart tracking



VCA



Ultra HD



Hybrid

Key Spec:

- 4Megapixel resolution for detailed image capture
- Up to 30X optical zoom for versatile viewing options
- Infrared (IR) capabilities
- Starlight technology for low-light conditions
- Ability to capture clear color images in dark environments
- True WDR for wide dynamic range
- 3D DNR for digital noise reduction
- Smart IR for optimized image clarity in all lighting conditions
- Automatic tracking of human or vehicle movements
- Enhance security by focusing on moving subjects
- IP67 rating for indoor and outdoor use
- Support for PoE++ and DC24V
- Durability for use in various environments
- Secondary output support for TVI/AHD/CVI
- Intelligent video content analysis (VCA)
- Face detection for enhanced security
- Alarm inputs/outputs for real-time alerts
- Two-way audio for improved security management
- ONVIF, API, and SDK compatibility

SPECIFICATION:

Camera Module		IP-5PT4IE3-40X			
Image sensor	1/2.7" BSI+NIR 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	50Hz: 1/25 s – 1/25,000 s; 60Hz: 1/30s-1/30,000				
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				
Privacy Mask	4 areas, up to 4 mask in the same frame				
EIS	Optional Built-in gyro sensor for electrical image stable within 30x-40x TBC ()				
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				
OSD Menu	N/A		including all camera parameters and settings		
Lens					
Focus length	f=4.5 ~ 180mm lens, 40x optical zoom				
Zoom Speed	Approx. 5.2s (optical zoom, wide-tele)				
Field of View	H: 62.4°1.9°; V: 35.3° 1°D: 70.24° 2.1(wide-tele)				
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF				
Iris Property	F1.2 ~ F3.5 (wide-tele); DC-IRIS (hall sensor ,16Stops)				
IRCUT type	Removable IRCUT filter				
DORI distance	Focus length	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	f=4.5mm	90m (295 f.t.)	35.71m (117 f.t.)	18m(39 f.t.)	9m(29.5 f.t.)
	f=180mm	3060m(10039 f.t.)	1428.5m(4687 f.t.)	720m (2362 f.t.)	360m(1181 f.t.)
PTZ					
Gimbal	Vertically: dual belts for backup ,Horizontally: Gear-Box, 1024 steps encoder				
Pan Range	360°endless				
Pan speed	Configurable, from 0.05°-450°/s; Preset speed: 540°/s				
Tilt Range	Front±200°,auto flip				
Tilt Speed	Configurable, from 0.05°~ 270°/s, Preset speed: 360°/s				
Proportional Zoom	Yes				
Preset	360				
Cruise	8 cruises, up to 16 presets for each cruises				
Trace	4 traces, record time over 3 minutes for each trace				
Power off memory	Support				
Action mode	Preset/Cruise/Trace/Auto Scan/Random Scan				
3D Positioning	Support, Software set or hardware auto detection, by built-in gyro sensor. TBC.				
PTZ Position Display	Support				
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot				
IR					
IR Distance	350m /1148 f.t., 8pcs 4 groups of dual stacks IR Arrays				
Smart IR	Yes				
Network					
Max Resolution	2880x1620 (16:9 aspect ratio)				
stream	50Hz: 25fps: 2880x1620, 2560x1440,1920×1080,1280×960,1280×720, 60Hz: 30fps: 2880x1620, 2560x1440,1920×1080,1280×960,1280×720				
	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.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
Smart Features	
Basic event	Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face recognize	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 exiting detection, Unattended baggage detection, Object removal detection, etc.
Smart Tracking	Smart tracking of human or vehicle, auto/manual
System Integration	
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
Built-in Speaker & Mic	N/A
RS 485	Half-duplex mode ,support Titanium-VISCA,Pelco-P/D protocol
BNC	TVI4.0/AHD2.0/CVI/CVBS, Support COC protocol
Mode Switch	12Bits ,support baud rate, address, TVI/AHD/CVI mode
Reset button	Yes
Heater	Yes
Fan	Yes
Water removal	Remove water-drops by quick spinning
API	ONVIF, support Titanium SDK and third-party management platform
Client	Titanium NVR,NVMS; and the third-party client
Web Browser	IE8-11
General	
languages	Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. Etc.
Power supply	DC24V±25% ,PoE++ (802.3.bt), max 34W include IR ON+PTZ working
Working condition	-40 °F (-40 °C) ~ 149 °F (65 °C), IR off; -40 °F (-40 °C) ~ 113 °F (45 °C), IR on; Cold start at - 30°C; 9 0%RH
Storage condition	-40 °F (-40 °C) ~ 158 °F (70 °C) ; ≤ 95% RH
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy + Plastic
Dimensions	Φ 11.8 inch (29.97 cm) × 7.75 inch (19.68 cm)
Net Weight	Approx. 9.92 lb (4.5 kg)
Certification	IP67,IK10(including glass window), ROHS, CE, FC