

Turret Network Cameras

2MP/8MP Turret PoE IP Cameras



Overview

Turret network cameras can provide a high-definition professional surveillance and security solution. With the flexible 3-axis adjustment, you can place and position the camera anywhere.

Adopting the smart IR technology, the turret cameras can also deliver clear video at night. Smart encoding technology and H.265 compression code can save 75% disk space and reduce the monitoring cost. Designed for indoor and outdoor environments, it is IP67 weatherproof, ideal for houses, enterprises, banks, governments and other applications.

Benefits

- 2MP/ 8MP
- 120dB WDR, 2D/3D DNR
- 30m (98ft) Night Vision
- H.265, H.264, MJPEG
- PoE Power Supply
- IP67 Protection
- Smart Behavior Detection
- Built-in Micro SD Card Slot

Key Features

Plug and Play PoE Connection

With only a single ethernet cable to get powered and transmit video, PoE (Power over Ethernet) cameras allow you to DIY their positions anywhere you want. No need of a separate power adapter for power supply of each camera, simplifying installation and helping to keep costs low.

120dB True WDR

Cameras with True Wide Dynamic Range (True WDR) can produce images even under varying light conditions. It can also maintain proper image brightness, exposure and contrast to ensure good image clarity. WDR is measured in dB. A WDR of range (120dB) can capture greater scale of brightness.

3D DNR

Developed for shooting at night or in dimly lit places, 3D Digital Noise Reduction (DNR) decreases picture noise and reduces colour mixture errors. 3D DNR removes the grainy fuzzy appearances of low light images, will handle moving objects without leaving tails behind, and in low light, it makes an image clearer and sharper compared to no noise reduction or 2D DNR. 3D DNR is essential to producing a clear image from your security cameras.

Smart IR Technology

Smart IR technology can detect the infrared (IR) wavelengths, enabling the cameras to see even in low light condition or in complete darkness, and providing protection day and night.

IP67 Protection

IP67 rated housing protects the camera against rain and dust. Capable of withstanding temperatures from -30 ~ 60 ° C (-22 ~ 140 ° F), the cameras perform well even in demanding environments.

Smart Behavior Detection

With advanced video algorithm, cameras support smart behavior detections, such as motion detection, line-crossing and area intrusion. Focusing on human body, smart behavior detections (2MP) enjoy the reduction of false alarm, and send instant notifications when detecting intrusion targets. Based on target classification, smart behavior detections (8MP) significantly reduce the false alarm caused by leaves, birds and lights etc., and accurately focus on human, motor vehicle and non-motor vehicle.

H.265 and Smart Encoding Technology

Smart encoding technology can reduce storage costs without sacrificing resolution and frame rate. Under the same configuration, H.265 with smart encoding technology only costs one hard disk to store the same video record which needs four hard disks under H.264, saving 75% storage cost.

Multiple Ways of Management

The camera supports different ways of management. Free monitoring softwares and Apps are available to view, manage and record the camera through the connected NVR, computer or mobile phone.

Technical Specification

	IPC201-2M-T	IPC301-8M-T
Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	
Max.Resolution	1920x1080	3840x2160
Min. Illumination	Color: 0.01Lux (F2.0, AGC ON); 0Lux with IR on	
S/N	>52dB	>56dB
Shutter Speed	Auto/Manual, 1- 1/100000s	
3-Axis Adjustment	Pan: 0° - 360° , tilt: 0° - 80° , rotate: 0° - 360°	
Lens		
Focal Length (mm)	2.8	4.0
Aperture	F2.0	
DORI Distance (m)	Detect: 42 Observe: 16.8 Recognize: 8.4 Identify: 4.2	Detect: 120 Observe: 48 Recognize: 24 Identify: 12
Field of View (FOV)	(H) 112.9° (V) 59.1° (D) 121.2°	(H) 86.5° (V) 44.1° (D) 112.5°
Illuminator		
Day/Night	Support	
IR-cut Filter	Support	
IR On/Off Control	Auto/Manual	
IR Range	30m (98ft)	
Wavelength	850nm	
Video		
Video Compression	H.265, H.264, MJPEG	
H.264 Code Profile	Baseline Profile, Main Profile, High Profile	
Video Frame Rate	Main Stream: 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps;	Main Stream: 8MP (3840x2160), Max 20fps; Sub Stream: 1080P (1920x1080), Max 30fps; Third Stream: D1 (720x576), Max 30fps
Video Bit Rate	128 Kbps to 16 Mbps	
9:16 Corridor Mode	Support	--

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Video		
On-Screen Display (OSD)	Up to 4 OSDs	Up to 8 OSDs
Privacy Mask	Up to 4 Areas	
Region of Interest (ROI)	Up to 8 Areas	
Motion Detection	Up to 4 Areas	
Image		
Wide Dynamic Range (WDR)	120dB	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2	
Digital NoiseReduction	2D/3D DNR	
Dewarping	--	Support
Flip	Normal/Vertical/Horizontal/180° /90° Clockwise/90° Anti-clockwise	
HLC	Support	
BLC	Support	
Digital Defog	Support	
Smart		
Behavior Detection	Cross line, intrusion(based on human body detection), motion detection, tampering alarm, audio detection	Line crossing detection, Intrusion detection, Leave area detection, Motion detection, tampering alarm, audio detection
General Function	Watermark, IP address filtering, access policy, ARP protection, RTSP authentication, user authentication	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication
Network		
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL, SNMP	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, HTTPS, SMTP, SSL
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API	
Client	Guard Station Guard Viewer	
Web Browser	Plug-in Required Live View: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in Free Live View: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+	
Audio		
Audio Compression	G.711	
Suppression	Support	

Technical Specification

IPC201-2M-T

IPC301-8M-T

Audio		
Audio Sampling Rate	8KHZ	
Built-in Microphone	Support	
Storage		
Edge Storage	Micro SD, up to 128GB	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)	
Interface		
Network	10/100M Base-TX Ethernet	
General		
Power	DC 12V ± 25%, PoE (IEEE 802.3af)	
Dimension (Hx Wx D)	81x 108.7x 108.7mm (3.2"x 4.3"x 4.3")	94.1x 110.5x 110.5mm (3.7"x 4.4"x 4.4")
Net Weight	0.66lb (0.3kg)	0.97lb (0.44kg)
Material	Metal + Plastic	Metal
Operating Temperature	-22° F to 140° F (-30° C to 60° C)	
Storage Temperature	-22° F to 140° F (-30° C to 60° C)	
Operating Humidity	≤95% RH (Non-condensing)	
Storage Humidity	≤95% RH (Non-condensing)	
Surge Protection	4KV	2KV
Ingress Protection	IP67	IP67
Warranty	2 Years	

Ordering Information

ID	Description
#129249	IPC201-2M-T, Full HD 2MP Turret Network Camera with Build-in Mic, 98ft Night Vision, IP67 Weatherproof, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 2.8mm Lens
#129257	IPC301-8M-T, Ultra HD 8MP Turret Network Camera with Built-in Mic, 98ft Night Vision, IP67 Weatherproof, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 4.0mm Lens



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