

A solid red circle.

IPC305-2M-T Camera Data Sheet

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I 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.

- 2MP
- 120dB WDR, 2D/3D DNR
- 30m (98ft)/ 40m (131ft) Night Vision
- H.265, H.264, MJPEG
- PoE Power Supply
- IP67 Protection
- Smart Behavior Detection
- Built-in Micro SD Card Slot



I 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 colourmixture 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 (4MP&5MP & 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.

Specifications

Table 1 shows the technical specification for FS IPC305-2M-T.

Table 1. Technical specification

Camera				
Image Sensor	1/2.8", 2.0 Megapixel, Progressive Scan, CMOS			
Max.Resolution	1920x1080			
Min. Illumination	0.001Lux @ (F1.2, AGC ON), 0Lux with IR on			
S/N	>52dB			
Shutter Speed	Auto/Manual, 1- 1/100000s			
3-Axis Adjustment	Pan:0° ~360 °		Tilt:0° ~75° Rotate:0° ~360°	
Lens				
Focal Length (mm)	2.7-13.5			
Aperture	F1.2			
DORI Distance (m)	Detect: 41.9-209.5	Observe: 16.8-83.8	Recognize: 8.4-41.9	Identify: 4.2-20.9
Field of View (FDV)	(H) 107.4° ~ 29.2°		(D) 111.0° ~33.1° (V) 54.2° ~ 16.3°	
Illuminator				
Day/Night	Support			
IR-cut Filter	Support			
IR Range	Up to 40m(131ft) IR range			
Wavelength	850nm			
IR On/Off Control	Auto/Manual			

Video	
Video Compression	Ultra265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Video Bit Rate	128 Kbps to 16 Mbps
On-Screen Display (OSD)	Up to 8 OSDs
Privacy Mask	Up to 4 areas
Region of Interest (ROI)	Up to 8 Areas
Video Frame Rate	MainStream: 2MP(1920*1080), Max 30fps; SubStream: 720P(1280*720), Max 30fps; ThirdStream: D1(720*576), Max 30fps;
Image	
Wide Dynamic Range (WDR)	120dB
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital NoiseReduction	2D/3D DNR
Flip	Normal/Vertical/Horizontal/180° /90° Clockwise/90° Anti-clockwise
HLC	Support
BLC	Support
Digital Defog	Support
Smart	
Behavior Detection	Motion detection, tampering alarm, audio detection
General Function	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, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS, SSH
Interoperability	ONVIF® Profile G, ONVIF® Profile S, ONVIF® Profile T specification at onvif.org , API, SDK

Client	EZStation / EZView / EZLive
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+
Compliance	NDAA Section 889 compliant
Audio	
Audio Compression	G.711
Suppression	Support
Audio Sampling Rate	8KHZ
Built-in Microphone	Support
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)
Interface	
Network	10/100M Base-TX Ethernet
Reset Button	Support
General	
Power	DC 12V $\pm$ 25%, PoE (IEEE 802.3af)
Dimensions (H $\times$ W $\times$ D)	110x129x129mm (4.3"x5.1"x5.1")
Net Weight	0.69kg(1.52lb)
Material	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	$\leq$ 95% RH (Non-condensing)
Storage Humidity	$\leq$ 95% RH (Non-condensing)
Surge Protection	6KV

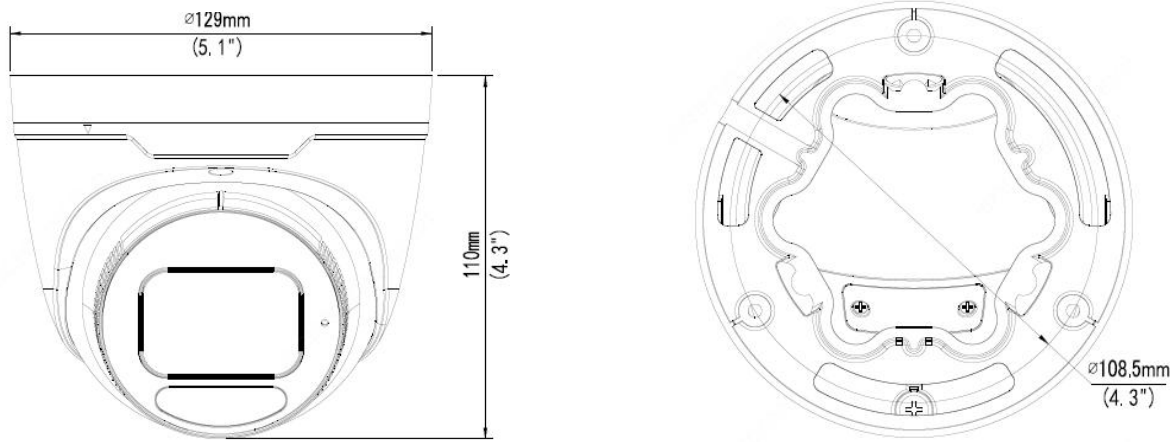
General

Ingress Protection IP67, IK10

Warranty 2 Years

*ONVIF is a trademark of ONVIF, Inc.

Dimensions



Additional information

For more information about the IPC305-2M-T camera, contact your account manager or visit <https://www.fs.com/products/170067.html>

Document history

New or revised topic	Described in	Date
Updates to FS IPC305-2M-T Camera Data Sheet	Updated all	3/7/2023



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