



IPC501-FC-4M-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.

High quality image with 4MP, 1/1.8" CMOS sensor, Smart intrusion prevention, support false alarm filtering, include cross line, enter Area, leave Area detection, lighthunter technology ensures ultra-high image quality in low illumination environment.

- Captures 4MP Full HD Video
- With IR Range, Night Vision Distance up to 30m (98ft)
- H.265 Reduces Bandwidth and Storage, While Preserving High Image Quality
- Water and Dust Resistant (IP67)
- Clear Imaging Against Strong Backlight due to WDR



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.

1DWDR

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 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.

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 IPC501-FC-4M-T.

Table 1. Technical specification

Camera				
Image Sensor	1/1.8", 4.0 megapixel, progressive scan, CMOS			
Digital Noise Reduction	2D/3D DNR			
Min. Illumination	Colour: 0.0005 lux (F1.0, AGC ON)			
Shutter	Auto/Manual, 1- 1/100000s			
WDR	120dB			
S/N	>56dB			
Adjustment Angle	Pan:0° ~360 °	Tilt: 0° ~75°	Rotate:0° ~360°	
Lens				
Lens type	2.8mm@F1.0			
Optical Zoom	N/A			
Iris	Fixed perture			
DORI Distance (m)	Detect: 86.9-372.4	Observe: 34.8-149	Recognize: 17.4-74.5	Identify: 8.7-37.2
Field of View (FDV)	(H) 108.6°	(D) 135.1°	(V) 81.3°	
LED Distance	Up to 30m (98 ft)			
Warm Light Range	N/A			
Intelligent				
Smart Intrusion Prevention	Support false alarm filtering:Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection			
Recognition	Face capture			
Statistical Analysis	People counting, support people flow counting and crowd density monitoring			

Video	
Video Compression	Ultra265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Region of Interest (ROI)	Up to 8 Areas
On-Screen Display (OSD)	Up to 8 OSDs
Privacy Mask	Up to 4 areas
Video stream	Triple streams
Video Frame Rate	Main Stream: 4MP (2688*1520), Max 30fps; 4MP (2560*1440), Max 30fps; 3MP (2304*1296), Max 30fps; 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
Image	
HLC	Support
BLC	Support
Digital Defog	Support
Interface	
Network	1 * RJ45 10M/100M Base-TX Ethernet
Reset Button	Support
Audio	
Audio Compression	G.711
Sampling Rate	8KHZ
Suppression	Support
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
Compliance	NDAA Section 889 compliant

Interoperability ONVIF® Profile G, ONVIF® Profile S, ONVIF® Profile T specification at onvif.org, API,SDK

Events

Basic Detection Motion detection, Tampering alarm, Audio Detection

General Function Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication

Storage

Edge Storage Micro SD, up to 256 GB

Network Storage ANR, NAS(NFS)

General

Power DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption: Max 9.0W

Dimensions (H × W × D) 5.1"x5.1"x4.3"(129x129x110mm)

Net Weight 0.69kg (1.52lb)

Working Environment -30° C ~ 60° C (-22° F ~ 140° F), Humidity: ≤95% RH (non-condensing)

Surge Protection 4KV

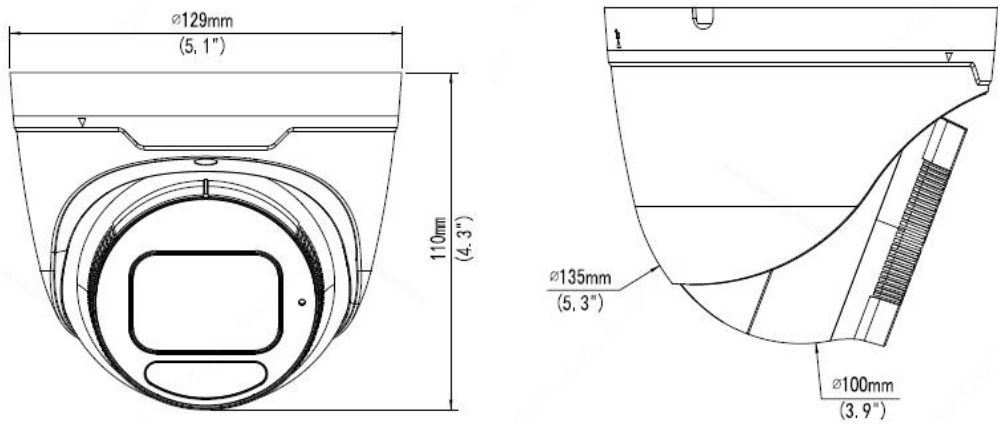
Ingress Protection IP67

Reset Button Supported

Material Metal

*ONVIF is a trademark of ONVIF, Inc.

Dimensions



Additional information

For more information about the IPC501-FC-4M-T camera, contact your account manager or visit <https://www.fs.com/products/169294.html>

Document history

New or revised topic	Described in	Date
Updates to FS IPC501-FC-4M-T Camera Data Sheet	Updated all	3/8/2023



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