

A solid red circle.

IPC104-5M-T Camera Data Sheet

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I Overview

Adopting a 5 megapixel progressive scan CMOS sensor with a motorized varifocal 2.8-12mm Lens, the network camera can provide a high-definition professional surveillance and security solution. Designed for indoor and outdoor environments, ideal for home, shop and other SMBs.

- Captures 5MP Super HD Video, 2D/3D DNR
- 30m (98ft) Night Vision
- H.265+, H.265, H.264, MJPEG
- PoE Power Supply
- Water and Dust Resistant (IP67)
- Built-in Microphone
- 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.

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 -20 ~ 60 ° C (-4 ~ 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 IPC104-5M-T.

Table 1. Technical specification

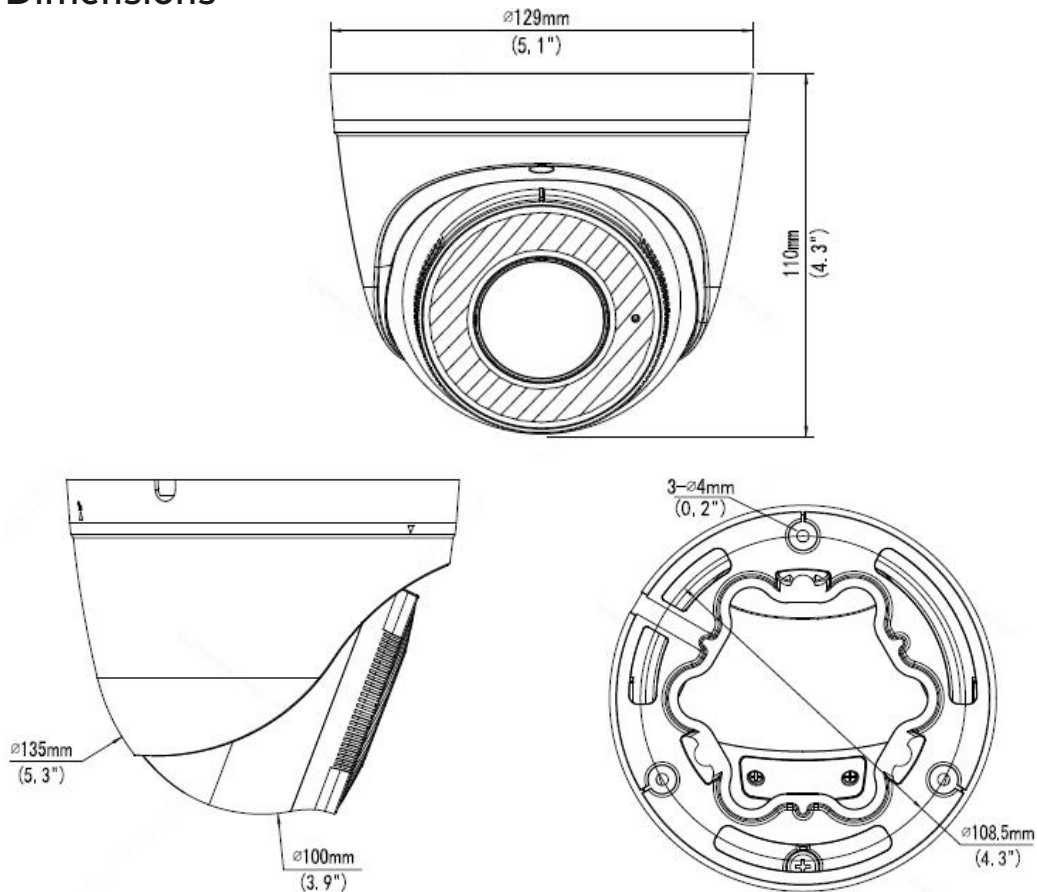
Camera					
Image Sensor	1/2.7" Progressive Scan CMOS				
Lens	2.8 ~ 12mm, AF Automatic Focusing and Motorized Zoom Lens				
DORI Distance	Lens (mm) 2.8~12	Detect (m) 63.0~270.0	Observe (m) 25.2~108.0	Recognize (m) 12.6~54.0	Identify (m) 6.3~27.0
Angle of View (H)	102.79° ~ 30.86°				
Angle of View (V)	54.50° ~ 17.49°				
Angle of View (D)	106.94° ~ 35.49°				
Adjustment Angle	Pan: 0° ~360°		Tilt: 0° ~75°	Rotate: 0° ~360°	
Shutter	Auto/Manual, 1 ~ 1/100000s				
Minimum Illumination	0.005Lux(F1.8,AGC ON) 0 Lux with IR on				
Digital Noise Reduction	2D/3D DNR				
Day/Night	IR-cut Filter with Auto Switch (ICR)				
S/N	>56dB				
IR Range	Up to 30m (98ft) IR Range				
Defog	Digital Defog				
WDR	120dB				
Video					
Video Compression	H.265+, H.265, H.264, MJPEG				
Frame Rate	Main Stream: 5MP (2880*1620), Max 25fps; 4MP (2560*1440), Max 25fps; 3MP (2304*1296), Max 30fps;1080P (1920*1080), Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360,Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;				
H.264 Code Profile	Baseline Profile, Main Profile, High Profile				

HLC	Supported
BLC	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
Audio	
Audio Compression	G.711
Suppression	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR,NAS(NFS)
Smart	
Behavior Detection	Intrusion(Based on Human Body Detection) Motion Detection, Tampering Alarm, Audio Detection
Interface	
Network	10/100M Base-TX Ethernet
Built-in Mic	Supported
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS, RTMP
Interoperability	ONVIF® Profile G, ONVIF® Profile S, ONVIF® Profile T specification at onvif.org , API
Compliance	NDAA Section 889 compliant

General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 6.0W
Dimensions (H × W × D)	Ø5.1"x4.3"(Ø129x110mm)
Weight	0.67kg (1.48lb)
Working Environment	-30° C ~ 60° C (-22° F ~ 140° F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Ingress Protection	IP67
Reset Button	Supported
Material	Plastic+Metal

*ONVIF is a trademark of ONVIF, Inc.

Dimensions



Additional information

For more information about the IPC104-5M-T camera, contact your account manager or visit <https://www.fs.com/products/170045.html>

Document history

New or revised topic	Described in	Date
Updates to FS IPC104-5M-T Camera Data Sheet	Updated all	3/7/2023



Shenzhen (China)

Address: 24F, Yingfeng Center, Haitian 2nd Rd,
Nanshan District, Shenzhen
Tel: +86 (755) 8357 1351
Email: sales@feisu.com

Delaware (United States)

Address: 380 Centerpoint Blvd, New Castle,
DE 19720, United States
Tel: +1 (888) 468 7419
Email: us@fs.com

Munich (Germany)

Address: NOVA Gewerbepark Building 7, Am
Gfild 7,85375 Neufahrn bei Munich, Germany
Tel: +49 (0) 8165 4099 260
Email: de@fs.com

Singapore

Address: 30A Kallang Pl, #11-10/11/12 Singapore
339213
Tel: +65 6443 7951
Email: sg@fs.com

Wuhan (China)

Address: 9-14F, Optical Valley Software Park
A7, Guanshan Ave, Wuhan
Tel: +86 (027) 8808 9195
Email: sales@feisu.com

Birmingham (United Kingdom)

Address: Regus Edmund House, 12-22 Newhall
Street, Birmingham, B3 3AS
Tel: +49 (0) 8165 4099 260
Email: uk@fs.com

Melbourne (Australia)

Address: 57-59 Edison Rd, Dandenong South,
VIC 3175, Australia
Tel: +61 3 9693 3488
Email: au@fs.com

Tokyo (Japan)

Address: JS Progress Building, 4-1-23 Heiwajima,
Ota-ku, Tokyo 〒143-0006
Tel: 03-5826-8305
Email: jp@fs.com



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