

A solid red circle.

IPC101-5M-T Camera Data Sheet

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I Overview

Adopting a 5 megapixel progressive scan CMOS sensor with a 2.8mm fixed 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.

DWDR

Cameras with Digital Wide Dynamic Range (DWDR) 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 -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 IPC101-5M-T.

Table 1. Technical specification

Camera					
Image Sensor	1/3" Progressive Scan CMOS				
Lens	2.8mm@F2.1				
DORI Distance	Lens (mm) 2.8	Detect (m) 63.0	Observe (m) 25.2	Recognize (m) 12.6	Identify (m) 6.3
Angle of View (H)	89.1°				
Angle of View (V)	47.3°				
Angle of View (D)	94.3°				
Adjustment Angle	Pan: 0° ~360°		Tilt: 0° ~80°	Rotate: 0° ~360°	
Shutter	Auto/Manual, 1 ~ 1/100000s				
Minimum Illumination	Colour: 0.02Lux (F2.1, AGC ON) 0Lux 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	DWDR				
Video					
Video Compression	H.265+, H.265, H.264, MJPEG				
Frame Rate	Main Stream: 5MP (2592*1944), Max 20fps; 4MP (2560*1440), Max 20fps; 3MP (2304*1296), Max 20fps;1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; Sub Stream: 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				

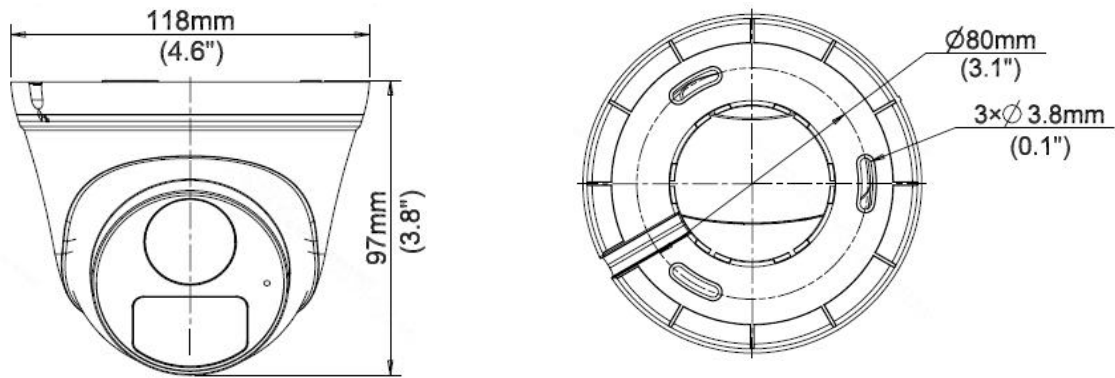
Video	
HLC	Supported
BLC	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Motion Detection	Up to 4 areas
Audio	
Audio Compression	G.711
Suppression	Supported
Sampling Rate	8KHZ
Interface	
Network	10/100M Base-TX Ethernet
Built-in Mic	Supported
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS, RTMP
Compliance	NDAA Section 889 compliant
Interoperability	ONVIF® Profile S, ONVIF® Profile T specification at onvif.org , API
General	
Power	DC 12V $\pm$ 25%, PoE (IEEE 802.3af)
Power Consumption	Max 4.5W
Dimensions (ØxH)	Ø4.6 " x3.8 " (Ø118x97mm)

General

Weight	0.27kg (0.60lb)
Working Environment	-30° C ~ 60° C (-22° F ~ 140° F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Ingress Protection	IP67
Reset Button	N/A
Material	Plastic+Metal

*ONVIF is a trademark of ONVIF, Inc.

Dimensions



Additional information

For more information about the IPC101-5M-T camera, contact your account manager or visit <https://www.fs.com/products/170041.html>

Document history

New or revised topic	Described in	Date
Updates to FS IPC101-5M-T Camera Data Sheet	Updated all	3/7/2023



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