

# Fisheye Dome Network Cameras

## 5MP Dome PoE IP Cameras



### Overview

Fisheye network cameras can provide a high-definition professional surveillance and security solution. With a wide field of 360° panoramic view you will have no problem keeping what you care about in your sights.

Adopting the smart IR technology, the bullet 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 IP66 weatherproof, ideal for houses, enterprises, banks, governments and other applications.

### Benefits

- 360° Panoramic View
- 120dB WDR, 2D/3D DNR
- 10m (33ft) Night Vision
- H.265, H.264, MJPEG
- PoE Power Supply
- IP66 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.

### IP66 Protection

IP66 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 enjoy the reduction of false alarm, and send instant notifications when detecting intrusion targets.

### 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

### IPC301-5M-F

#### Camera

<b>Image Sensor</b>	1/2.8" Progressive Scan CMOS
<b>Max.Resolution</b>	2592x1944
<b>Min. Illumination</b>	Color: 0.01Lux (F2.0, AGC ON); 0Lux with IR
<b>S/N</b>	>55dB
<b>Shutter Speed</b>	Auto/Manual, 1- 1/100000s

#### Lens

<b>Focal Length (mm)</b>	1.4
<b>Aperture</b>	F2.0
<b>DORI Distance (m)</b>	Detect: 31.5 Observe: 12.6 Recognize: 6.3 Identify: 3.2
<b>Field of View (FOV)</b>	360°

#### Illuminator

<b>Day/Night</b>	Support
<b>IR-cut Filter</b>	Support
<b>IR On/Off Control</b>	Auto/Manual
<b>IR Range</b>	10m (33ft)
<b>Wavelength</b>	850nm

#### Video

<b>Video Compression</b>	H.265, H.264, MJPEG
<b>H.264 Code Profile</b>	Baseline Profile, Main Profile, High Profile
<b>Video Frame Rate</b>	Main Stream: 5MP (2592x1944), Max.30fps; Sub Stream: 1080P (1920x1080), Max.30fps; 720P (1280x720), Max 30fps; Third Stream: D1 (720x576), Max 30fps; 640x360,Max 30fps; 2CIF(704x288), Max 30fps; CIF(352x288), Max 30fps;
<b>Video Bit Rate</b>	128 Kbps to 16 Mbps

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### IPC301-5M-F

Video	
On-Screen Display (OSD)	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 Noise Reduction	2D/3D DNR
Flip	Normal/Flip Vertical/Flip Horizontal/180°
BLC	Support
Digital Defog	Support
Ceiling mount: fisheye view, 360° Panoramic+1PTZ, 180° Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360° Panoramic+6PTZ, Fisheye+8PTZ	
Display Mode	Wall mount: fisheye view, Panoramic, Panoramic+3PTZ, Panoramic+4PTZ, Panoramic+8PTZ Table mount: fisheye view, 360° Panoramic+1PTZ, 180° Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360° Panoramic+6PTZ, Fisheye+8PTZ
Smart	
Behavior Detection	Cross Line, Intrusion (Based on Human Body Detection), Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP address filtering, 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
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+

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### IPC301-5M-F

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
External Audio I/O	Support
External Alarm I/O	Support
General	
Power	DC 12V $\pm$ 25%, PoE (IEEE 802.3af)
Dimension (Hx Wx D)	44x 125x 125mm (1.7"x 4.9"x 4.9")
Net Weight	0.79lb (0.36kg)
Material	Metal + Plastic
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	4KV
Ingress Protection	IP66, IK10
Warranty	2 Years



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