

Bullet Network Cameras

2MP/5MP/8MP Bullet PoE IP Cameras



Overview

Bullet 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 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 IP67 weatherproof, ideal for houses, enterprises, banks, governments and other applications.

Benefits

- 2MP/ 5MP/ 8MP
- 120dB WDR, 2D/3D DNR
- 30m (98ft)/ 50m (164ft) Night Vision
- H.265, H.264, MJPEG
- PoE Power Supply
- IP67 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.

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 (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.

Technical Specification

2MP Bullet Network Cameras

IPC201-2M-B

IPC204-2M-B

Camera

Image Sensor 1/2.7" Progressive Scan CMOS

Max.Resolution 1920x1080

Min. Illumination Color: 0.01Lux (F2.0, AGC ON); 0Lux with IR Color: 0.005Lux (F1.6, AGC ON); 0Lux with IR

S/N >52dB

Shutter Speed Auto/Manual, 1- 1/100000s

3-Axis Adjustment Pan: 0° - 360° , tilt: 0° - 90° , rotate: 0° - 360°

Lens

Focal Length (mm) 2.8 2.8-12

Aperture F2.0 F1.6

DORI Distance (m) Detect: 42 Observe: 16.8 Recognize: 8.4 Identify: 4.2 Detect: 42-180 Observe: 16.8-72 Recognize: 8.4-36 Identify: 4.2-18

Field of View (FOV) (H) 112.9° (V) 59.1° (D) 121.2° (H) 108.05° - 32.59° (V) 56.81° - 18.36° (D) 119.91° - 36.53°

Illuminator

Day/Night Support

IR-cut Filter Support

IR On/Off Control Auto/Manual

IR Range 30m (98ft) 50m (164ft)

Wavelength 850nm

Video

Video Compression H.265, H.264, MJPEG

H.264 Code Profile Baseline Profile, Main Profile, High Profile Baseline Profile, Main Profile, High Profile, MJPEG

Video Frame Rate Main Stream: 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; Main Stream: 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps;

Video Bit Rate 128 Kbps to 16 Mbps

Technical Specification

2MP Bullet Network Cameras

	IPC201-2M-B	IPC204-2M-B
Video		
9:16 Corridor Mode		Support
On-Screen Display (OSD)		Up to 4 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/Vertical/Horizontal/180° /90° Clockwise/90° Anti-clockwise	
HLC		Support
BLC		Support
Digital Defog		Support
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, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL, SNMP	
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+	
Audio		
Audio Compression		G.711
Suppression		Support

Technical Specification

2MP Bullet Network Cameras

	IPC201-2M-B	IPC204-2M-B
Audio		
Audio Sampling Rate	8KHZ	
Built-in Microphone	Support	
Storage		
Edge Storage	Micro SD, up to 128GB	
Network Storage	ANR, NAS (NFS)	
Interface		
Network	10/100M Base-TX Ethernet	
Reset Button	--	Support
General		
Power	DC 12V ± 25%, PoE (IEEE 802.3af)	
Dimension (Hx Wx D)	62x 63x 165mm (2.5"x 2.5"x 6.5")	74x 74x 206mm (2.9"x 2.9"x 8.1")
Net Weight	0.86lb (0.39kg)	1.19lb (0.54kg)
Material	Metal + Plastic	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	≤95% RH (Non-condensing)	
Storage Humidity	≤95% RH (Non-condensing)	
Surge Protection	4KV	6KV
Ingress Protection	IP67	
Warranty	2 Years	

Technical Specification

5MP Bullet Network Cameras

IPC501-5M-B

IPC305-5M-B

Camera

Image Sensor 1/2.7" Progressive Scan CMOS

Max.Resolution 2880x1620

Min. Illumination Colour: 0.001Lux (F1.0, AGC ON) Colour: 0.002Lux (F1.2, AGC ON);
0Lux with IR on

S/N >56dB

Shutter Speed Auto/Manual, 1- 1/100000s

3-Axis Adjustment Pan: 0° - 360° , tilt: 0° - 90° , rotate: 0° - 360°

Lens

Focal Length (mm) 4.0 2.7-13.5

Aperture F1.0 F1.2

DORI Distance (m) Detect: 90 Detect: 60.8-303.8
Observe: 36 Observe: 24.3-121.5
Recognize: 18 Recognize: 12.2-60.8
Identify: 9 Identify: 6.1-30.4

Field of View (FOV) (H) 80.2° (H) 106.25° - 30.42°
(V) 43.0° (V) 56.36° - 17.22°
(D) 94.7° (D) 110.34° - 34.18°

Illuminator

Day/Night Support

IR-cut Filter -- Support

IR Range -- 50m (164ft)

IR On/Off Control -- Auto/Manual

LED Distance 30m (98ft) --

Wavelength -- 850nm

Video

Video Compression H.265, H.264, MJPEG

H.264 Code Profile Baseline Profile, Main Profile, High Profile

Video Frame Rate Main Stream: 5MP (2880x1620), Max 25fps; Sub Stream: 720P (1280x720), Max 30fps; Third Stream: D1 (720x576), Max 30fps
Main Stream: 5MP (2880x1620), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; Third Stream: D1 (720x576), Max 30fps

Technical Specification

5MP Bullet Network Cameras

IPC501-5M-B

IPC305-5M-B

Video	
Video Bit Rate	128 Kbps to 16 Mbps
9:16 Corridor Mode	Support
On-Screen Display (OSD)	Up to 8 OSDs
Privacy Mask	Up to 4 areas
Region of Interest (ROI)	Up to 8 Areas
Motion Detection	--
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
Dewarping	--
HLC	Support
BLC	Support
Digital Defog	Support
Smart	
Behavior Detection	Cross Line, Intrusion, Enter Area, Leave Area detection,Motion detection, Tampering alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authenticatio
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: Chorme 57.0+, Firefox 58.0+, Edge 16+, Safari 11+

Technical Specification

5MP Bullet Network Cameras

IPC501-5M-B

IPC305-5M-B

Audio		
Audio Compression	G.711	
Suppression	Support	
Audio Sampling Rate	8KHZ	
Storage		
Edge Storage	Micro SD, up to 256GB	
Network Storage	ANR, NAS (NFS)	
Interface		
Network	10M/100M Base-TX Ethernet	
External Audio I/O	Support	
External Alarm I/O	Support	
General		
Power	DC 12V ± 25%, PoE (IEEE 802.3af)	
Dimension (Hx Wx D)	85x 86x 246mm (3.3"x 3.4"x 9.7")	2.8"x 86x 245mm (2.8"x 3.4"x 9.6")
Net Weight	2.02lb (0.92kg)	2.0lb (0.92kg)
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	≤95% RH (Non-condensing)	
Storage Humidity	≤95% RH (Non-condensing)	
Surge Protection	4KV	6KV
Ingress Protection	IP67, IK10	
Warranty	2 Years	

Technical Specification

8MP Bullet Network Cameras

IPC301-8M-B

IPC304-8M-B

Camera		
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max.Resolution	3840x2160	
Min. Illumination	Colour: 0.01Lux (F2.0, AGC ON); 0Lux with IR on	Colour: 0.003Lux (F1.6, AGC ON); 0Lux with IR on
S/N	>56dB	
Shutter Speed	Auto/Manual, 1- 1/100000s	
3-Axis Adjustment	Pan: 0° - 360° , tilt: 0° - 90° , rotate: 0° - 360°	
Lens		
Focal Length (mm)	4.0	2.8-12
Aperture	F2.0	F1.6
DORI Distance (m)	Detect: 120 Observe: 48 Recognize: 24 Identify: 12	Detect: 86.9-372.4 Observe: 34.8-149 Recognize: 17.4-74.5 Identify: 8.7-37.2
Field of View (FOV)	(H) 86.5° (V) 44.1° (D) 112.5°	(H) 107.4° - 29.2° (V) 54.2° - 16.3° (D) 111.0° - 33.1°
Illuminator		
Day/Night	Support	
IR-cut Filter	Support	
IR On/Off Control	Auto/Manual	
IR Range	30m (98ft)	50m (164ft)
Wavelength	850nm	
Video		
Video Compression	H.265, H.264, MJPEG	
H.264 Code Profile	Baseline Profile, Main Profile, High Profile	
Video Frame Rate	Main Stream: 8MP (3840x2160), Max 20fps; Sub Stream: 1080P (1920x1080), Max 30fps; Third Stream: D1 (720x576), Max 30fps	
Video Bit Rate	128 Kbps to 16 Mbps	

Technical Specification

8MP Bullet Network Cameras

IPC301-8M-B

IPC304-8M-B

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 NoiseReduction	2D/3D DNR
Flip	Normal/Vertical/Horizontal/180° /90° Clockwise/90° Anti-clockwise
Dewarping	Support
HLC	Support
BLC	Support
Digital Defog	Support

Smart

Behavior Detection Cross Line, Intrusion, Enter Area, Leave Area detection;Motion detection, Tampering alarm, Audio Detection

General Function	Watermark, IP address filtering, tampering alarm, access policy, ARP protection, RTSP authentication, user authentication
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Network

Protocols IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, HTTPS, SMTP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, SSL, 802.1x,PPPoE SNMP

Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
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Client	Guard Station Guard Viewer
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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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Technical Specification

8MP Bullet Network Cameras

	IPC301-8M-B	IPC304-8M-B
Audio		
Audio Compression	G.711	
Suppression	Support	
Audio Sampling Rate	8KHZ	
Built-in Microphone	Support	--
Built-in Speaker	Support	--
Alarm Light	Support	--
Storage		
Edge Storage	Micro SD, up to 256GB	
Network Storage	ANR, NAS (NFS)	
Interface		
Network	10M/100M Base-TX Ethernet	
Reset Button	Support	--
External Audio I/O	--	Support
External Alarm I/O	--	Support
General		
Power	DC 12V ± 25%, PoE (IEEE 802.3af)	
Dimension (Hx Wx D)	74x 75x 191mm (2.9"x 3.0"x 7.5")	72x 86x 245mm (2.8"x 3.4"x 9.6")
Net Weight	0.9lb (0.41kg)	2.03lb (0.92kg)
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	≤95% RH (Non-condensing)	
Storage Humidity	≤95% RH (Non-condensing)	
Surge Protection	2KV	6KV
Ingress Protection	IP67	IP67,IK10
Warranty	2 Years	

Ordering Information

ID	Description
#129247	IPC201-2M-B, Full HD 2MP Bullet Network Camera with Build-in Mic, 98ft Night Vision, IP67 Weatherproof, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 2.8mm Lens
#129250	IPC204-2M-B, Full HD 2MP Bullet Network Camera with Build-in Mic, 164ft Night Vision, IP67 Weatherproof, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Motorized Varifocal 2.8-12mm Lens
# 129252	IPC501-5M-B, Super HD 5MP Bullet Network Camera, 98ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 4.0mm Lens
# 129254	IPC305-5M-B, Super HD 5MP Bullet Network Camera, 164ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Motorized Varifocal 2.7-13.5mm Lens
# 129256	IPC301-8M-B, Ultra HD 8MP Bullet Network Camera with Built-in Mic & Speaker, 98ft Night Vision, IP67 Weatherproof, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 4.0mm Lens
# 129258	IPC304-8M-B, Ultra HD 8MP Bullet Network Camera, 164ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Motorized Varifocal 2.8-12mm Lens



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