

Dome Network Cameras

2MP/4MP/5MP/8MP Dome PoE IP Cameras



Overview

Dome 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 techonoly, the dome 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/ 4MP/ 5MP/ 8MP
- 120dB WDR, 2D/3D DNR
- 30m (98ft)/ 40m (131ft) 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 (4MP & 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 Dome Network Cameras

IPC201-2M-D		IPC204-2M-D
Camera		
Image Sensor		1/2.7" Progressive Scan CMOS
Max.Resolution	1920x1080	
Min. Illumination	Colour: 0.01Lux (F2.0, AGC ON) 0Lux with IR	Colour: 0.005Lux (F1.6, AGC ON) 0Lux with IR
S/N	>52dB	
Shutter Speed		Auto/Manual, 1- 1/100000s
3-Axis Adjustment	Pan: 3° - 360° Tilt: 0° - 68° Rotate: 3° - 360°	Pan: 3° - 360° Tilt: 0° - 70° Rotate: 3° - 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)	40m (131ft)
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: 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps	
Video Bit Rate	128 Kbps to 16 Mbps	
9:16 Corridor Mode	Support	

Technical Specification

2MP Dome Network Cameras

IPC201-2M-D		IPC204-2M-D	
Video			
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 NoiseReduction		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	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, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, QoS, 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: Chorme 57.0+, Firefox 58.0+, Edge 16+, Safari 11+		
Audio			
Audio Compression	--	G.711	

Technical Specification

2MP Dome Network Cameras

IPC201-2M-D		IPC204-2M-D
Audio		
Suppression		-- Support
Audio Sampling Rate	--	8KHZ
Built-in Microphone		-- Support
Storage		
Edge Storage		Micro SD, up to 128GB
Network Storage	ANR, NAS (NFS)	
Network		10M/100M Base-TX Ethernet
Reset Button	--	Support
General		
Power		DC 12V ± 25%, PoE (IEEE 802.3af)
Dimension (Hx Wx D)	81x 108.7x 108.7mm (3.2"x 4.3"x 4.3")	100x 128x128mm (3.9"x 5.0"x 5.0")
Net Weight	0.79lb (0.36kg)	1.46lb (0.66kg)
Meterial	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		≤95% RH (Non-condensing)
Storage Humidity	≤95% RH (Non-condensing)	
Surge Protection		4KV 6KV
Ingress Protection	IP67,IK10	
Warranty		2 Years

Technical Specification

4MP Dome Network Cameras

IPC301-4M-D		IPC305-4M-D	
Camera			
Image Sensor		1/3"CMOS Progressive Scan Sensor	
Max.Resolution	4 Megapixel		
Min. Illumination	Color: 0.003 Lux (F1.6, AGC ON) 0 Lux with IR		Color: 0.002Lux (F1.2, AGC ON) 0Lux with IR on
S/N	>56dB		
Shutter Speed	Auto/Manual, 1 - 1/100000s		
3-Axis Adjustment	Pan: 3° - 360° Tilt: 0° - 68° Rotate: 3° - 360°		Pan: 0° - 355° Tilt: 0° - 80° Rotate: 0° -355°
Lens			
Focal Length (mm)	2.8		2.7-13.5
Aperture	F1.6		F1.2
DORI Distance (m)	Detect: 63 Observe: 25.2 Recognize: 12.6 Identify: 6.3		Detect: 60.8-303.8 Observe: 24.3-121.5 Recognize: 12.2-60.8 Identify: 6.1-30.4
Field of View (FOV)	(H) 101.1° (V) 55.3° (D) 111.1°		(H) 98.26° - 31.35° (V) 54.76° - 18.55° (D) 127.74° - 36.99°
Illuminator			
Day/Night	Support		
IR-cut Filter	Support		
IR On/Off Control	Auto/Manual		
IR Range	30m (98ft)		40m (131ft)
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: 1080P (1920x1080), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; Third Stream: D1 (720x576), Max 30fps		
Video Bit Rate	128 Kbps to 16 Mbps		
9:16 Corridor Mode	Support		

Technical Specification

4MP Dome Network Cameras

IPC301-4M-D		IPC305-4M-D	
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		
HLC		Support	
BLC	Support		
Digital Defog		Support	
Smart			
Behavior Detection	Cross line, intrusion, enter area, leave area detection	Support false alarm filtering: Line crossing detection, Intrusion detection, Region entrance detection, Region exit 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	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	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API	ONVIF (Profile S, Profile G, Profile T), API,SDK	
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+		
Audio			
Audio Compression		G.711	

Technical Specification

4MP Dome Network Cameras

IPC301-4M-D		IPC305-4M-D	
Audio			
Suppression		Support	
Audio Sampling Rate	8KHZ	8KHZ	
Built-in Microphone		--	
Storage			
Edge Storage		Micro SD, up to 256GB	
Network Storage	ANR, NAS(NFS)		
Network		1 RJ45 10M/100M Base-TX Ethernet	
Reset Button	--	Support	
General			
Power		DC 12V ± 25%, PoE (IEEE 802.3af)	
Dimension (Hx Wx D)	81.1x 108.7 x108.7mm(3.2"× 4.3"x4.3")	111.3 x148 x148mm(4.4"× 5.8" x 5.8")	
Net Weight		0.42kg (0.93lb)	0.92kg (2.03lb)
Material	Metal + Plastic	Metal	
Operating Temperature		-30° C to 60° C (-22° F to 140° F)	
Storage Temperature	-30° C to 60° C (-22° F to 140° F)		
Operating Humidity		≤95% RH (Non-condensing)	
Storage Humidity	≤95% RH (Non-condensing)		
Surge Protection		2KV	6KV
Ingress Protection	IP67,IK10		
Warranty		2 Years	

Technical Specification

5MP Dome Network Cameras

IPC301-5M-D		IPC305-5M-D	
Camera			
Image Sensor		1/2.7" Progressive Scan CMOS	
Max.Resolution	2880x1620		
Min. Illumination	Colour: 0.003 Lux (F1.6, AGC ON) 0Lux with IR		Colour: 0.002 Lux (F1.2, AGC ON) 0Lux with IR
S/N	>56dB		
Shutter Speed		Auto/Manual, 1- 1/100000s	
3-Axis Adjustment	Pan: 3° - 360° Tilt: 0° - 68° Rotate: 3° - 360°		Pan: 0° - 355° Tilt: 0° - 80° Rotate: 0° - 355°
Lens			
Focal Length (mm)	4.0		2.7-13.5
Aperture	F1.6		F1.2
DORI Distance (m)	Detect: 90 Observe: 36 Recognize: 18 Identify: 9		Detect: 60.8-303.8 Observe: 24.3-121.5 Recognize: 12.2-60.8 Identify: 6.1-30.4
Field of View (FOV)	(H) 78.7° (V) 44.9° (D) 89.2°		(H) 106.25° - 30.42° (V) 56.36° - 17.22° (D) 110.34° - 34.18°
Illuminator			
Day/Night		Support	
IR-cut Filter	Support		
IR On/Off Control		Auto/Manual	
IR Range	30m (98ft)		40m (131ft)
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 30fps; Sub Stream: D1 (720x576), Max 30fps; Third Stream: CIF (352x288), Max 30fps		Main Stream:5MP (2880x1620), Max 30fps; Sub Stream: 720P (1280x720), Max 30fps; Third Stream: D1 (720x576), Max 30fps
Video Bit Rate	128 Kbps to 16 Mbps		

Technical Specification

5MP Dome Network Cameras

IPC301-5M-D		IPC305-5M-D	
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		
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, alarm input, alarm output, access Policy, ARP protection, RTSP authentication, user authentication		
Network			
Protocols		IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 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: Chorme 57.0+, Firefox 58.0+, Edge 16+, Safari 11+		
Audio			
Audio Compression		G.711	

Technical Specification

5MP Dome Network Cameras

IPC301-5M-D		IPC305-5M-D	
Audio			
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		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)	81x 108.7x 108.7mm (3.2"x 4.3"x 4.3")	111.4x 148x 148mm (4.4"x 5.8"x 5.8")	
Net Weight	0.93lb (0.425kg)	2.12lb (0.97kg)	
Meterial	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, IK10		
Warranty	2 Years		

Technical Specification

8MP Dome Network Cameras

IPC304-8M-D	
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max.Resolution	3840x2160
Min. Illumination	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° - 355° Tilt: 0° - 80° Rotate: 0° - 355°
Lens	
Focal Length (mm)	2.8-12
Aperture	F1.6
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 (FOV)	(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	40m (131ft)
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 Dome Network Cameras

IPC304-8M-D	
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, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL, SNMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Client	Guard Station Guard Viewer
Web Broswer	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+
Audio	
Audio Compression	G.711

Technical Specification

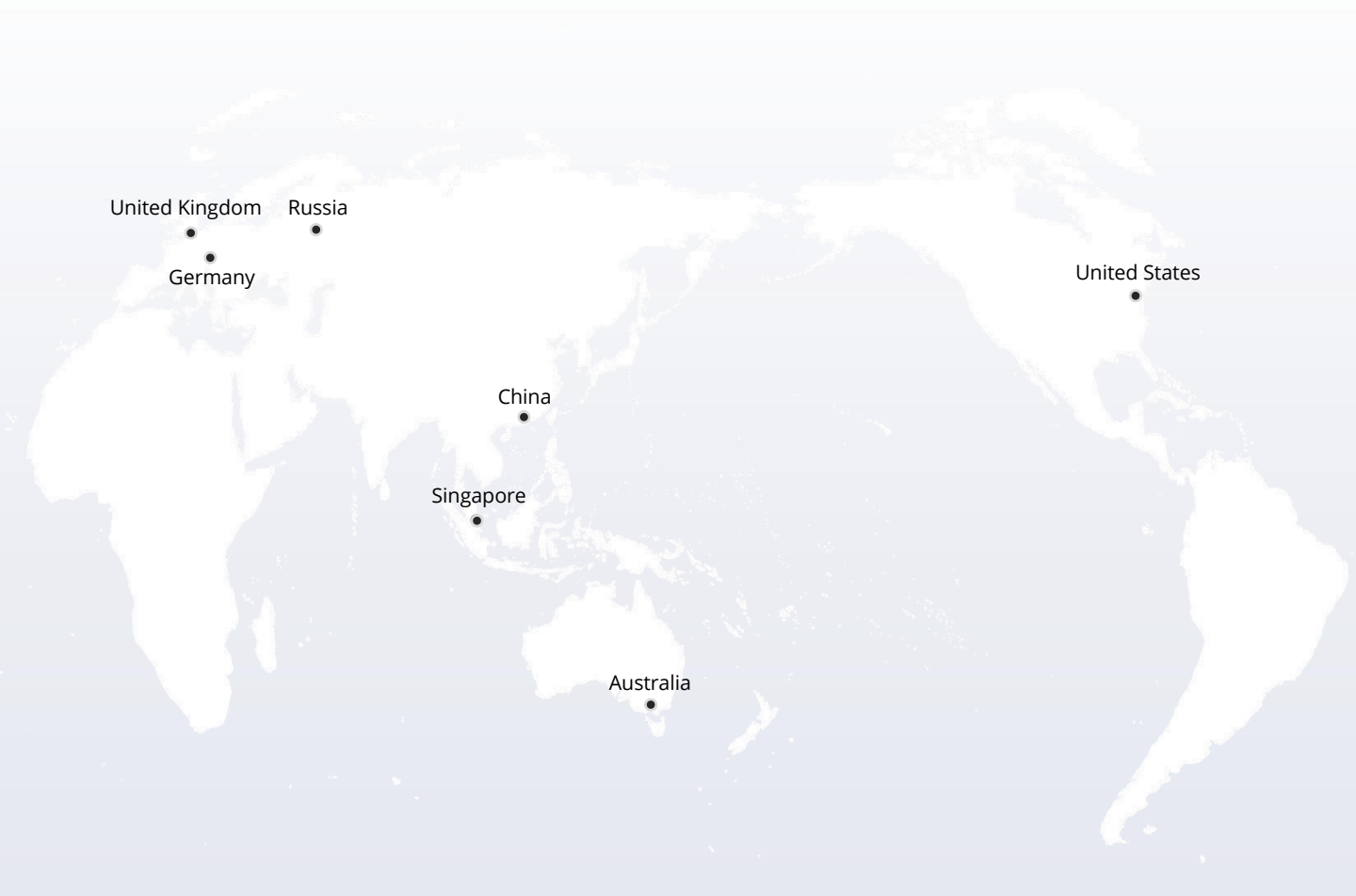
8MP Dome Network Cameras

IPC304-8M-D

Audio	
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	DC 12V ± 25%, PoE (IEEE 802.3af)
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)	111.4x 148x 148mm (4.4"x 5.8"x 5.8")
Net Weight	2.14lb (0.97kg)
Meterial	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	≤95% RH (Non-condensing)
Storage Humidity	≤95% RH (Non-condensing)
Surge Protection	2KV
Ingress Protection	IP67,IK10
Warranty	2 Years

Ordering Information

ID	Description
#129248	IPC201-2M-D, Full HD 2MP Dome Network Camera, 98ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 2.8mm Lens
#129251	IPC204-2M-D, Full HD 2MP Dome Network Camera with Build-in Mic, 131ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Motorized Varifocal 2.8-12mm Lens
#154781	IPC301-4M-D, Full HD 4MP Dome Network Camera, 98ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 2.8mm Lens
#154782	IPC305-4M-D, Full HD 4MP Dome Network Camera, 131ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Varifocal 2.7-13.5mm Lens
# 129253	IPC301-5M-D, Super HD 5MP Dome Network Camera, 98ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Fixed 4.0mm Lens
# 129255	IPC305-5M-D, Super HD 5MP Dome Network Camera with Built-in Mic, 131ft Night Vision, IP67 Weatherproof & IK10 Vandal Resistant, Smart Behavior Detection, Outdoor/Indoor PoE IP Camera with Motorized Varifocal 2.7-13.5mm Lens
# 129259	IPC304-8M-D, Ultra HD 8MP Dome Network Camera with Built-in Mic, 131ft 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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