



FS Security Cameras Comparison

Overview

This document includes two parts, they are product series introduction and product comparison, aiming to comprehensively introduce FS security cameras and compare their important parameters to help you get an overview of our security cameras and find the most suitable for your needs.

Product Series Introduction

Product Series	Series Characteristics	Application Scenarios
Lite Series	Provide reliable protection and smart functions at fairly reasonable prices, it support basic event detection and in-depth intelligent perimeter intelligent detection.	Designed to meet the needs of family, small office, store, etc.
Pro Series	On the premise of realizing basic monitoring, it is equipped with starlight function and even realizes full-color pictures, and has intelligent functions such as line crossing detection and item left behind detection.	Designed to meet the needs of small and medium-sized enterprises, schools, hospitals, etc.
Ultra Series	Support 30 frames high frame rate, high magnification zoom. At the same time, support infrared with longer distance. Support deep intelligent functions such as face recognition, temperature alarm, and passenger flow statistics.	Designed to meet the needs of large enterprises, smart cities, airports, etc.

Product Comparison

Bullet Cameras

Case Type	Bullet Cameras (Lite Series)			
Models	IPC101-2M-B	IPC101-5M-B	IPC104-2M-B	IPC104-5M-B
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920x 1080@ 25fps	2592×1944 @20fps	1920x 1080@ 25fps	2880×1620 @25fps
IR Range	Up to 30m (98 ft)	Up to 30m (98ft)	Up to 50m(164ft)	Up to 50m(164ft)
Wide Dynamic Range (WDR)	DWDR	DWDR	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.02 Lux, 0 Lux with IR on	Colour:0.02 Lux, 0 Lux with IR on	Colour:0.01 Lux, 0 Lux with IR on	Colour:0.005 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	2.8mm, Fixed	2.8mm, Fixed	2.8~12mm, Motorized	2.8~12mm, Motorized
Field of View	106.7°(H), 57.1° (V), 115.7° (D)	89.1°(H), 47.3°(V), 94.3°(D)	108.05°~32.59°(H), 56.81°~18.36°(V), 111.91°~36.53°(D)	102.79°~30.86°(H), 54.50°~17.49°(V), 106.94°~35.49°(D)
Aperture	F2.1	F2.1	F1.8	F1.8

Audio	Built-in Microphone	Built-in Microphone	Built-in Microphone	Built-in Microphone
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V ± 25%	DC 12V ± 25%	DC 12V ± 25%	DC 12V ± 25%
Max. Power Consumption	3.5W	4.5W	7.5W	7.5W
Material	Metal and Plastic	Metal and Plastic	Metal and Plastic	Metal and Plastic
IP Rating	IP67	IP67	IP67	IP67
Local Storage	N/A	N/A	Micro SD, up to 128GB	Micro SD, up to 256GB
Dimensions (L×W×H)	5.6″×2.4″×2.6″(144×60×65 mm)	5.6″×2.4″×2.6″(144×60×65 mm)	7.8″×2.9″×2.9″(198×74×74 mm)	7.8″×2.9″×2.9″(198×74×74 mm)
Operating Temperature	-30 to 60°C (-22 to 140°F)	-30 to 60°C (-22 to 140°F)	-30 to 60°C (-22 to 140°F)	-30 to 60°C (-22 to 140°F)
Interoperability	ONVIF® Profile S, T	ONVIF® Profile S, T	ONVIF® Profile S, T, G	ONVIF® Profile S, T, G
Compliant	NDAА	NDAА	NDAА	NDAА
Intelligent Events	/	/	Intrusion Detection (Based on Human Body Detection)	Intrusion Detection (Based on Human Body Detection)

Case Type	Bullet Cameras （Pro Series）			
Models	IPC301-5M-B	IPC304-8M-B	IPC305-2M-B	IPC305-5M-B
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2880x1620 @30fps	3840x2160 @20fps	1920x1080 @30fps	2880x1620 @30fps
IR Range	Up to 40m(131ft)	Up to 50m(164ft)	Up to 50m(164ft)	Up to 50m(164ft)
Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.005 Lux, 0 Lux with IR on	Colour:0.0025 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on	Colour:0.002 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/1000000s	1 ~ 1/1000000s	1 ~ 1/1000000s	1 ~ 1/1000000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	2.8mm, Fixed	2.8~12mm, Motorized	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized
Field of View	96.1°(H), 55.3°(V), 111.1°(D)	107.4°~29.2°(H),54.2°~16.3°(V), 111.0°~33.1°(D)	107.4°~29.2°(H),54.2°~16.3°(V), 111.0°~33.1°(D)	106.25°~30.42°(H),56.36°~17.22°(V), 110.34°~34.18°(D)
Aperture	F1.6	F1.6	F1.2	F1.2

Audio	Built-in Microphone	Audio 1 in and 1 out	Audio 1 in and 1 out	Audio 1 in and 1 out
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V ± 25%	DC 12V ± 25%	DC 12V ± 25%	DC 12V ± 25%
Max. Power Consumption	5.0W	10.5W	8.5W	8.0W
Material	Metal	Metal	Metal	Metal
IP Rating	IP67	IP67 IK10	IP67 IK10	IP67 IK10
Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (L×W×H)	6.3″×2.5″×2.6″(160×64×66mm)	10.1″×3.5″×3.3″(256×88×85mm)	9.7″×3.4″×3.4″(245.4×85.4×86.4mm)	10.1″×3.5″×3.3″(256×88×85mm)
Operating Temperature	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)
Interoperability	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA	NDAA
Intelligent Events	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring

Case Type	Bullet Cameras (Pro Series)			Bullet Cameras (Ultra Series)
Models	IPC501-FC-4M-B	IPC501-FC-8M-B	IPC501-2X4M-B	IPC701-4M-B
Image Sensor	1/1.8", Progressive Scan, CMOS	1/1.8", Progressive Scan,CMOS	1/2.9" Progressive Scan, CMOS	Thermal Modul: Vanadium Oxide Uncooled Focal Plane Arrays Optical Module: 1/1.8" Progressive Scan CMOS
Max. Resolution	2688x1520 @30fps	3840x2160 @30fps	3840x1080 @25fps	Thermal Modul: 1280x720@30fps Optical Modul: 2688x1520@30fps
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)	Up to 50m (164ft)
Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.0005 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on	Colour:0.005 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on

Shutter Time	1 ~ 1/1000000s	1 ~ 1/1000000s	1 ~ 1/1000000s	1 ~ 1/1000000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	4.0mm, Fixed	4.0mm, Fixed	4.0mm, Fixed	Thermal Modul: 3.2mm, Fixed Optical Modul: 4.0mm, Fixed
Field of View	103.0°(H)69.2°(v)134.6(D)	94.29°(H)49.73°(v)115.97 °(D)	160.00°±10°(H)43.22°(v)180.13°±10°(D)	Thermal Module: 57.0°(H)~42.0(V) Optical Module: 89.9°(H)~49.1(V)
Aperture	F1.0	F1.0	F1.0	Thermal Module: F1.1 Optical Module: F1.6
Audio	Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Audio 1 in and 1 out
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V ± 25%	DC 12V±25%	DC 12V ± 25%	DC 12V ± 25%
Max. Power Consumption	9.0W	11W	6.5W	12W
Material	Metal	Metal	Metal	Metal
IP Rating	IP67 IK10	IP67 IK10	IP67 IK10	IP67
Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (L×W×H)	9.6"×3.4"×3.3" (245×86 ×85mm)	9.6"×3.4"×3.3" (245×86 ×85mm)	10.7"×5.1"×3.0" (273×130×76mm)	13.9"x4.1"x4.6"(354mmx104mmx116mm)
Operating Temperature	-30°C~60°C(-22°F~140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C~60°C(-22°F~140°F)	-40°C~70°C(-40°F~158°F)
Interoperability	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA	NDAA
Intelligent Events	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	/	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, Object left behind Detection,Object Removed Detection,Scene Change Detection

Dome Cameras

Case Type	Dome Cameras (Lite Series)
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Models	IPC101-2M-D	IPC101-5M-D	IPC104-2M-D	IPC104-5M-D
Image Sensor	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920x1080 @25fps	2592×1944 @20fps	1920x1080 @30fps	2880×1620 @25fps
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)
Wide Dynamic Range (WDR)	DWDR	DWDR	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.02 Lux, 0 Lux with IR on	Colour:0.02 Lux, 0 Lux with IR on	Colour:0.01 Lux, 0 Lux with IR on	Colour:0.005 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	2.8mm, Fixed	2.8mm, Fixed	2.8~12mm, Motorized	2.8~12mm, Motorized
Field of View	106.7°(H), 57.1°(V), 115.7°(D)	89.1°(H), 47.3°(V), 94.3°(D)	108.05°~32.59°(H), 56.81°~18.36°(V), 111.91°~36.53°(D)	102.79°~30.86°(H), 54.50°~17.49°(V), 106.94°~35.49°(D)
Aperture	F2.1	F2.1	F1.8	F1.8
Audio	N/A	N/A	Built-in Microphone	Built-in Microphone
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V±25%	DC 12V±25%	DC 12V±25%	DC 12V±25%
Max. Power Consumption	3.5W	4.5W	6.0W	6.0W
Material	Metal and Plastic	Metal and Plastic	Metal and Plastic	Metal and Plastic
IP Rating	IP67 IK10	IP67 IK10	IP67 IK10	IP67 IK10
Local Storage	N/A	N/A	Micro SD, up to 128GB	Micro SD,up to 256GB
Dimensions (ØxH)	Ø4.3"x3.2"(Ø109x81mm)	Ø4.3"x3.2"(Ø109x81mm)	Ø5.0"x3.9"(Ø128x100mm)	Ø5.0"x3.9"(Ø128x100mm)
Operating Temperature	-30 to 60°C (-22 to 140°F)	-30 to 60°C (-22 to 140°F)	30 to 60°C (-22 to 140°F)	30 to 60°C (-22 to 140°F)
Interoperability	ONVIF® Profile S, T	ONVIF® Profile S, T	ONVIF® Profile S, T, G	ONVIF® Profile S, T, G
Compliant	NDAA	NDAA	NDAA	NDAA
Intelligent Events	/	/	Intrusion Detection (Based on Human Body Detection)	Intrusion Detection (Based on Human Body Detection)

Case Type	Dome Cameras (Pro Series)				
Models	IPC301-5M-D	IPC301-8M-D	IPC304-8M-D	IPC305-2M-D	IPC305-5M-D

Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2880×1620 @25fps	3840x2160 @20fps	3840x2160 @20fps	1920x1080 @30fps	2880x1620 @30fps
IR Range	Up to 30m (98ft)	Up to 30m(98ft)	Up to 40m(131ft)	Up to 40m(131ft)	Up to 40m(131ft)
Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.002 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on	Colour:0.0025 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on	Colour:0.002 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support	Support
Focal Length	4.0mm, Fixed	2.8mm, Fixed	2.8~12mm, Motorized	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized
Field of View	78.7°(H), 44.9°(V), 89.2°(D)	112.9°(H), 51.9°(V), 121.2°(D)	107.4°~29.2°(H),54.2 °~16.3°(V), 111.0°~33.1°(D)	107.4°~29.2°(H),54.2 °~16.3°(V), 111.0°~33.1°(D)	106.25°~30.42°(H),5 6.36°~17.22°(V), 110.34°~34.18°(D)
Aperture	F1.6	F1.6	F1.6	F1.2	F1.2
Audio	Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V±25%	DC 12V±25%	DC 12V±25%	DC 12V±25%	DC 12V±25%
Max. Power Consumption	4.5W	6.0W	9.0W	7.0W	7.0W
Material	Metal	Metal	Metal	Metal	Metal
IP Rating	IP67 IK10	IP67 IK10	IP67 IK10	IP67 IK10	IP67 IK10
Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (ØxH)	Ø4.3"x3.2"(Φ108.7x81.0mm)	Ø4.3"x3.3"(Φ109x83mm)	Ø5.8"x4.4"(Φ148x111.4mm)	Ø5.8"x4.4"(Φ148x111.4mm)	Ø5.8"x4.4"(Φ148x111.4mm)
Operating Temperature	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)
Interoperability	ONVIF® Profile S, G,T	ONVIF® Profile S, G,T	ONVIF® Profile S, G,T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA	NDAA	NDAA

Intelligent Events	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring
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Turret & Fisheye Cameras

Case Type	Turret Cameras (Pro Series)				
Models	IPC301-5M-T	IPC301-8M-T	IPC304-8M-T	IPC305-2M-T	IPC305-5M-T
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	2880×1620 @30fps	3840x2160 @20fps	3840x2160 @20fps	1920x1080 @30fps	2880×1620 @30fps
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 40m(131ft)	Up to 40m(131ft)	Up to 40m(131ft)
Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.002 Lux, 0 Lux with IR on	Colour:0.0025 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on	Colour:0.002 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support	Support
Focal Length	2.8mm, Fixed	4.0mm, Fixed	2.8~12mm, Motorized	2.7~13.5mm, Motorized	2.7~13.5mm, Motorized
Field of View	96.1°(H), 55.3°(V), 111.1°(D)	86.5°(H), 44.1°(V), 112.5°(D)	107.4°~29.2°(H),54.2°~16.3°(V), 111.0°~33.1°(D)	107.4°~29.2°(H),54.2°~16.3°(V), 111.0°~33.1°(D)	106.25°~30.42°(H),56.36°~17.22°(V), 110.34°~34.18°(D)
Aperture	F1.6	F1.6	F1.6	F1.2	F1.2
Audio	Built-in Microphone	Built-in Microphone	Built-in Microphone	Built-in Microphone	Built-in Microphone
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V±25%	DC 12V±25%	DC 12V±25%	DC 12V±25%	DC 12V±25%
Max. Power Consumption	4.0W	5.0W	9.0W	7.0W	7.0W
Material	Metal	Metal	Metal	Metal	Metal
IP Rating	IP67	IP67	IP67 IK10	IP67 IK10	IP67 IK10

Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (ØxH)	Φ4.4”x3.7”(Φ110.5x94.1mm)	Φ4.4”x3.7”(Φ110.5x94.1mm)	Ø5.1”x4.3”(Φ129x110mm)	Ø5.1”x4.3”(Φ129x110mm)	Ø5.1”x4.3”(Φ129x110mm)
Operating Temperature	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)
Interoperability	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA	NDAA	NDAA
Intelligent Events	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring

Case Type	Turret Cameras (Pro Series)		Fisheye Cameras (Pro Series)	Fisheye Cameras (Ultra Series)
Models	IPC501-FC-4M-T	IPC501-FC-8M-T	IPC301-5M-F	IPC701-12M-F
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8",progressivescan,CMOS	1/2.8" Progressive Scan CMOS	1/1.7" Progressive Scan CMOS
Max. Resolution	2688x1520 @30fps	3840x2160@30fps	2592x1944 @30fps	4000x3000 @30fps
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 10m (33ft)	Up to 15m (49ft)
Wide Dynamic Range (WDR)	120dB	120dB	120dB	DWDR
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.0005 Lux, 0 Lux with IR on	Colour:0.001 Lux, 0 Lux with IR on	Colour:0.01 Lux, 0 Lux with IR on	Colour:0.03 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	2.8mm, Fixed	2.8mm, Fixed	1.4mm, Fixed	1.8mm, Fixed
Field of View	108.6°(H)81.3°(v)135.1°(D)	110.15°(H)59.06°(v)143.19°(D)	360°	360°
Aperture	F1.0	F1.0	F2.0	F2.0

Audio	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out	Built-in Microphone, Audio 1 in and 1 out
PoE Standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	DC 12V±25%	11W	DC 12V±25%	DC 12V±25%
Max. Power Consumption	9.0W	9.0W	8.5W	12W
Material	Metal	Metal	Metal and Plastic	Metal and Plastic
IP Rating	IP67 IK10	IP67 IK10	IP66 IK10	IP66 IK10
Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (ØxH)	Ø5.1"x4.3"(Φ129x110mm)	Ø5.1"x4.3"(Φ129x110mm)	Φ4.9" × 1.7"(Φ125 × 43.7mm)	Φ5.9" × 2.2"(Φ149 x 55mm)
Operating Temperature	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)
Interoperability	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA	NDAA
Intelligent Events	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring, Face capture	Cross Line Detection,Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	/	Cross Line Detection, Intrusion Detection

PTZ Cameras

Case Type	PTZ Cameras (Lite Series)			
Models	IPC201-2M-P	IPC204-2M-PD	IPC204-5M-P	IPC205-5M-P
Image Sensor	1/3" color CMOS Sensor	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080@15fps/10fps	1920x1080 @25fps	2880×1620 @30fps	2880×1620 @30fps
IR Range	3.6mm, Fixed	Up to 50m(164ft)	Up to 50m(164ft)	Up to 30m(98ft)
Pan and Tilt	Pan 0° to 355°, Tilt -20° to 90°	Pan 0° to 345°, Tilt -10° to 100°	Pan 0° to 345°, Tilt -10° to 110°	Pan 0° to 350°, Tilt 0° to 90°
Wide Dynamic Range (WDR)	/	120dB	120dB	120dB
Digital Noise Reduction	/	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.01 Lux, 0 Lux with IR on	Colour:0.002 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on
Shutter Time	/	1 ~ 1/1000000s	1 ~ 1/1000000s	1 ~ 1/1000000s

Video Compression	H.264, H.265	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support	Support
Focal Length	/	2.8mm, Fixed	2.8~12mm, Motorized	2.7~13.5mm, Motorized
Field of View	85° (H), 48°(V), 100° (D)	108.05°~32.59°(H), 56.81°~18.36°(V), 111.91°~36.53°(D)	30.6°~104.1°(H), 17.4°~54.9°(V), 34.4°~108.3°(D)	106.9°~30.6°(H), 56.0°~17.7°(V), 131.5°~39.8°(D)
Aperture	/	F1.6	F1.6	F1.2
Optical Zoom	/	4	4	5
Audio	Built-in Microphone & Speaker	Built-in Microphone & Speaker	Built-in Microphone & Speaker	Built-in Microphone & Speaker
PoE Standard	/	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
Power Supply	1 Micro USB interface, DC 5V/1A	DC 12V±25%	DC 12V±25%	DC 12V±25%
Max. Power Consumption	/	16W	18W	15W
Material	Plastic	Metal and Plastic	Metal and Plastic	Metal and Plastic
IP Rating	/	IP66	IP66	N/A
Local Storage	Micro SD, up to 128 GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions	4.5"× 2.8" x 2.8" (115.5 × 72.3 x 72.3mm)	Φ134 x 192 x 302mm (Φ5.3" x 7.6" x 11.9")	Φ5.2"x 10.6"(Φ133mm×269.4mm)	Φ5.1"x5.7"(Φ129x143.6mm)
Operating Temperature	-10 ~ 45°C(14 to 113°F)	−20°C ~ 60°C (-4°F ~ 140°F)	−20°C ~ 60°C (-4°F ~ 140°F)	-10°C~50°C(14°F~122°F)
Interoperability	/	ONVIF® Profile S, G	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	/	NDAA	NDAA	NDAA
Intelligent Events	Motion Tracking, Intelligent Push, Pet Detection, Human Detection	/	/	/

Case Type	PTZ Cameras (Pro Series)		
Models	IPC325-4M-PD	IPC425-4M-P	IPC425-8M-P
Image Sensor	1/2.7" Progressive Scan CMOS	Panorama: 1/1.8", Progressive Scan, CMOS Detail: 1/2.7", Progressive Scan, CMOS	1/1.8"CMOS Progressive Scan Sensor
Max. Resolution	2880×1620 @30fps	2688x1520 @30fps	3840x2160 @30fps
IR Range	Up to 30m(98ft)	Detail:Up to 100m (328ft) Panorama:Up to 30m (98.4 ft)	Up to 200m(656ft)
Pan and Tilt	Pan 0° to 360°, Tilt -15° to 90°	Pan 0° to 360°, Tilt -15° to 90°	Pan 0° to 360°, Tilt -15° to 90°

Wide Dynamic Range (WDR)	120dB	Panorama: 120dB Detail: DWDR	120dB
Digital Noise Reduction	2D/3D DNR	2D/3D DNR	2D/3D DNR
Min illumination	Colour:0.003 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on	Colour:0.003 Lux, 0 Lux with IR on
Shutter Time	1 ~ 1/100000s	1 ~ 1/100000s	1 ~ 1/100000s
Video Compression	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG	H.265+, H.265, H.264, MJPEG
Day/Night Capable	Support	Support	Support
Focal Length	2.7~13.5mm, Motorized	Panorama: 4.0mm, Fixed Detail: 4.8~120mm, Motorized	6.0 ~ 150.0mm, Motorized
Field of View	106.9°~30.6°(H), 56.0°~17.7°(V), 131.5°~39.8°(D)	Panorama: 94.9°(H)51.5°(V)116.7°(D) Detail: 55.46° ~ 3.09° (H), 32.94° ~ 1.73°(V), 68.22° ~ 3.65°(D)	60.5° ~ 3.1° (H), 36.3° ~ 1.8°(V), 74.3° ~ 3.7°(D)
Aperture	F1.2	Panorama: F1.0 Detail: F1.5	F1.5
Optical Zoom	25	25	25
Audio	Built-in Microphone & Speaker	Built-in Speaker, Audio 1 in and 1 out	Audio 1 in and 1 out
PoE Standard	IEEE 802.3at	IEEE 802.3at	IEEE 802.3at
Power Supply	DC 12V±25%	DC 12V±25%	AC 24V±25%, DC 24V±25%
Max. Power Consumption	15W	24W	58W
Material	Metal and Plastic	Metal and Plastic	Metal and Plastic
IP Rating	N/A	IP66	IP66
Local Storage	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (ØxH)	Φ5.1"x5.7"(Φ129x143.6mm)	Φ6.4" x 12.0" (Φ163 x 304mm)	Ø8.9" x 15.1" (Ø227 x 384.8mm)
Operating Temperature	-10°C~50°C(14°F~122°F)	-40°C ~ +65°C(-40°F ~ +149°F)	-40°C~70°C(-40°F ~ 158°F)
Interoperability	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T	ONVIF® Profile S, G, T
Compliant	NDAA	NDAA	NDAA
Intelligent Events	/	Cross Line Detection, Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring	Cross Line Detection, Intrusion Detection, Enter Area Detection, Leave Area Detection, People Flow Counting, Crowd Density Monitoring



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