



Video Surveillance Products

Selection Guide

Ver. 1.0





CONTENTS

01



Network Cameras

- 2 SmartVu Series
- 6 Ultra Series
- 12 Pro Series
- 26 Eco Series
- 31 Lite Series
- 36 Network PTZ Series

41

Explosion-Proof



43



Thermal Cameras

- 44 Thermal Camera Series

51

NVR

- 52 Pro Series
- 54 Eco Series



58



HDVI

- 59 E Series
- 63 Lite Series
- 67 Hybrid DVR/XVR

71

Accessories



ABOUT SUNNELL



200+

R&D Engineers



110+

Products sold to 113
countries and regions





Since its foundation in 1997, Sunell has been committed to the research, development and innovation of intelligent video products and solutions, and has been a leading company in China's surveillance industry.

Headquartered in Shenzhen, Sunell has 24 offices in China and an international office in Hong Kong. Sunell products are used in 113 countries and regions around the world, providing security to billions of people.

Sunell insists on independent technological innovation and has built an advanced international R&D platform. The average annual R&D investment accounts to 10% of the sales volume, and part of the independent technology ranks in the leading level internationally.

Sunell was awarded as a Gold Winner in the 'American MUSE Design Awards' in 2022. Sunell was also recognized as 'Top 10 in AI Application' in 2018, 'China's Smart City Recommended Brand' for 3 consecutive years, 'Top 10 Chinese CCTV Brands' consistently in the past 11 years, and 'Top 10 Shenzhen Scholarly Enterprises'.

Originating in Shenzhen, Sunell has always considered 'creation beyond client expectations' as its constant driving force for development. With the idea of open cooperation and flexible marketing network, Sunell has aided the construction of the smart city as well as increased safety in the industries of finance, energy source, forestry, transportation, intelligent building, civic areas, and so on, bringing high-quality safe life to people.

In June 2022, Sunell Shenzhen new modern plant officially went to operation and passed the ISO9001 and ISO14001 certification renewal review. In the same year, Sunell successively established overseas production facilities in Taiwan, Vietnam, and the United States to achieve a global production and operation structure. Sunell's ability to provide customers with in-depth customization services and production capabilities has been significantly improved once again, thanks to an in-house developed MES system, an efficient production process, and tight quality control.

In the times when the AIoT technology is driving the revolution of various industries, Sunell has been persistent in innovation. With the philosophy of 'concentrating on products and CCTV industry' and 'connect with a more secured world', Sunell has endeavored to provide more competitive products and solutions for ISP, enterprises and consumers.

NETWORK CAMERAS



NETWORK CAMERAS

SmartVu Series

- Deep learning algorithm, accurate detection
- Real-time sound and light deterrence, customized audio, flexible control
- Unattended, eliminate security risks
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection), People Counting



Deep Learning Algorithm



Human/Vehicle Detection



Smart Event



Starlight



Sound and Light Alarm



True WDR



Two-way Audio



Alarm In/Out



Memory Slot


IPC SmartVu Series

	Active Deterrence Bullet Camera				
Model	SN-IPR8050CBAA-Z	SN-IPR8040CBAA-Z	SN-IPR8020CBAA-Z	SN-IPR8080DQAA-Z	SN-IPR8050DQAA-Z
Appearance					
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 87.5° ~ 26° , V: 64.8° ~ 19.9°	H: 87.5° ~26° , V: 64.8° ~19.9°	H: 101° ~28° , V: 54° ~16°	H: 98.1° ~ 30.9° , V: 52.6° ~ 17.3°	H: 87.5° ~ 26° , V: 64.8° ~ 19.9°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2592×1944 (5MP)	2592×1520 (4MP)	1920×1080 (2MP)	3840×2160 (8MP)	2592×1944 (5MP)
Max. Frame Rate	25/30fps@ 5MP	25/30fps@ 4MP	25/30fps@ 2MP	25/30fps@ 8MP	25/30fps@ 5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	242.6 × 87.6 × 97.2mm	242.6 × 87.6 × 97.2mm	242.6 × 87.6 × 97.2mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC SmartVu Series

	Active Deterrence Turret Camera				Active Deterrence Bullet Camera	
Model	SN-IPR8080HCAA-B	SN-IPR8050HCAA-B	SN-IPR8040HCAA-B	SN-IPR8041HCAA-B	SN-IPR8040DQAA-Z	SN-IPR8020DQAA-Z
Appearance						
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F1.6	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 97.4° , V: 52.5°	H: 93.4° , V: 69.1°	H: 93.4° , V: 69.1°	H: 103.2° , V: 54°	H: 87.5° ~26° , V: 64.8° ~19.9°	H: 101° ~28° , V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.005 Lux @ (F1.0, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	2592×1520 (4MP)	2560×1440 (4MP)	2592×1520 (4MP)	1920×1080 (2MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps@ 5MP	25/30fps@ 4MP	25/30fps@ 4MP	25/30fps@ 4MP	25/30fps@ 2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94mm	φ118 × 94mm	φ118 × 94mm	φ118 × 94mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC SmartVu Series

	Active Deterrence Turret Camera			
Model	SN-IPR8080CQAA-Z	SN-IPR8050CQAA-Z	SN-IPR8040CQAA-Z	SN-IPR8020CQAA-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~ 30.9°, V: 52.6° ~ 17.3°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°	H: 101° ~ 28°, V: 54° ~ 16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.03 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	2592×1520 (4MP)	1920×1080 (2MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps@ 5MP	25/30fps@ 4MP	25/30fps@ 2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2mm

NETWORK CAMERAS

Ultra Series

- 1/1.8" large effective area sensor, which can achieve excellent full-color image in low-light level environment.
- Excellent image visual experience, equipped with professional intelligent analysis, can achieve accurate alarm in complex environment
- Meets the professional security surveillance industry requirements
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection), People Counting



Full Color



Ultra Starlight



Deep Learning Algorithm



Human/Vehicle Detection



People Counting



Smart Event



True WDR



Two-way Audio



Alarm In/Out



Memory Slot

IPC Ultra Series

	Panoramic Camera			12MP Camera	
Model	SN-IPP5790DDN/B	SN-IPV57/80HDR/B	SN-IPV57/80ECDR/B	SN-IPR57/80AKDN/Z	SN-IPC57/80HDN/F
Appearance					
Image Sensor	Four 1/1.8" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS
Lens	2.2mm/F2.0	1.83mm/F2.4	1.83mm/F2.4	4.1~12.8mm/F1.53	CS-Mount Lens
FOV	H: 360°, V: 360°	H: 180°, V: 180°	H: 180°, V: 180°	H: 98°~34.5°	-
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.002Lux@ (F2.2, AGC ON) B/W: 0.0002Lux@ (F2.2, AGC ON)	Color: 0.009Lux@ (F1.2, AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2, AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2, AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2, AGC ON) B/W: 0.0009Lux@ (F1.2, AGC ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Illumination Distance	-	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)	Up to 80m (262.4 ft)	-
Max. Resolution	7680×4320 (8K)	4000×3000 (12MP)	4000×3000 (12MP)	4000×3000 (12MP)	4000×3000 (12MP)
Max. Frame Rate	25fps @32MP	20fps @12MP	20fps @12MP	20fps @12MP	20fps @12MP
Smart Function	-	Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad			
Audio In/Out	1/1, Built-in 2ch Mic	1/1, Built-in MIC	1/1, Built-in MIC	1/1	1/1, Built-in MIC
Alarm In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	-	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Protection	IP66	IP67	IP66	IP67	-
Operating Temperature	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-20° C~50° C (-4° F~122° F)
Power	DC12V/POE (802.3af)	DC12V/AC24V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/AC24V/POE (802.3af)
Dimension	112.2 × 112.2 × 90mm	φ162 × 52.2mm	φ130 × 38.3mm	φ110 × 375.5mm	150.2 × 75 × 69.7mm

IPC Ultra Series

	Full-color Bullet Camera			
Model	SN-IPR8081CBAW-B	SN-IPR8041CBAW-B	SN-IPR8081DQAW-B	SN-IPR8041DQAW-B
Appearance	 	 	 	 
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0
FOV	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light
WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 50m (164.0 ft)	Up to 50m (164.0 ft)
Max. Resolution	3840×2160 (8MP)	2560×1440 (4MP)	3840×2160 (8MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps @4MP	25/30fps@ 8MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	242.6 × 87.6 × 97.2mm	242.6 × 87.6 × 97.2mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC Ultra Series

	Full-color Turret Camera				
Model	SN-IPR8041HCAW-B	SN-IPR8081HDAW-B	SN-IPR8041HDAW-B	SN-IPR8081CQAW-B	SN-IPR8041CQAW-B
Appearance	 	 	 	 	 
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0
FOV	H: 88.7°, V: 48.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005Lux @(F1.0, AGC ON) 0Lux with light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2560×1440 (4MP)	3840×2160 (8MP)	2560×1440 (4MP)	3840×2160 (8MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps @4MP	25/30fps@ 8MP	25/30fps @4MP	25/30fps@ 8MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94mm	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2 mm	φ140 × 119.2mm

IPC Ultra Series

	Starlight Bullet Cameras				
Model	SN-IPR8041BYAN-B	SN-IPR8041BZAN-Z	SN-IPR8041AKAN-Z	SN-IPR8041CBAN-Z	SN-IPR8041DQAN-Z
Appearance					
Image Sensor	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	4mm/F1.6	3.6~11mm/F1.3 (Motorized)	3.6~11mm/F1.3 (Motorized)	3.6~11mm/F1.3 (Motorized)	3.6~11mm/F1.3 (Motorized)
FOV	H: 86.7°, V: 48.8°	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 95.7°~45.6°, V: 51.3°~25.5°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 50m (164.0 ft)	Up to 60m (196.9 ft)	Up to 50m (164.0 ft)	Up to 60m (196.9 ft)
Max. Resolution	2560×1440 (4MP)	2560×1440 (4MP)	2560×1440 (4MP)	2560×1440 (4MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps @4MP	25/30fps @4MP	25/30fps @4MP	25/30fps@ 4MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1	1/1	1/1	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67	IP67	IP67, IK10	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	187.6 × 64 × 64mm	232 × 80 × 80mm	φ110 × 353.3mm	243 × 88 × 97mm	303 × 100 × 107mm

IPC Ultra Series

	Starlight Turret Camera	
Model	SN-IPR8041HCAN-B	SN-IPR8041CQAN-Z
Appearance	 	 
Image Sensor	1/1.8" CMOS	1/1.8" CMOS
Lens	4mm/F1.6	3.6~11mm/F1.3 (Motorized)
FOV	H: 86.7° , V: 48.8°	H: 95.7° ~45.6° , V: 51.3° ~25.5°
Day/Night	ICR	ICR
Min. Illumination	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 50m (164.0 ft)
Max. Resolution	2560×1440 (4MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps @4MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection, Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting	
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94mm	φ140 × 119.2mm

NETWORK CAMERAS

Pro Series

- Various light types: starlight infrared, full color, dual light
- Multiple product structures, with rich external interfaces
- Excellent image quality, advanced deep learning intelligent algorithm, high quality and can be widely used in a variety of scenes
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection), People Counting



Deep Learning Algorithm



Human/Vehicle Detection



People Counting



Starlight



2MP~8MP



Smart Event



True WDR



Two-way Audio



Alarm In/Out



Memory Slot

IPC Pro Series

	Full-color Bullet Camera				
Model	SN-IPR8050CBAW-B	SN-IPR8020CBAW-B	SN-IPR8080DQAW-B	SN-IPR8050DQAW-B	SN-IPR8040DQAW-B
Appearance					
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0
FOV	H: 75.7°, V: 54.6°	H: 79.8°, V: 42.1°	H: 81.5°, V: 44.8°	H: 75.7°, V: 54.6°	H: 75.7°, V: 54.6°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.001 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.001 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2592 × 1944 (5MP)	1920 × 1080 (2MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)
Max. Frame Rate	25/30fps @5MP	25/30fps @2MP	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	242.6 × 87.6 × 97.2mm	242.6 × 87.6 × 97.2mm	303 × 100 × 107mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC Pro Series

	Full-color Turret Camera					
Model	SN-IPR8080HCAW-B	SN-IPR8050HCAW-B	SN-IPR8040HCAW-B	SN-IPR8080CQAW-B	SN-IPR8050CQAW-B	SN-IPR8040CQAW-B
Appearance						
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0	4mm/F1.0
FOV	H: 81.5° , V: 44.8°	H: 75.7° , V: 54.6°	H: 75.7° , V: 54.6°	H: 81.5° , V: 44.8°	H: 75.7° , V: 54.6°	H: 75.7° , V: 54.6°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.001Lux @(F1.0, AGC ON), 0Lux with light	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.001 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on	Color: 0.003 Lux (F1.0, AGC ON), 0 Lux with Light on
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)
Max. Resolution	3840×2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94 mm	φ118 × 94mm	φ118 × 94mm	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2mm

IPC Pro Series

	Fixed Bullet Camera			
Model	SN-IPR8080BYAN-B	SN-IPR8050BYAN-B	SN-IPR8040BYAN-B	SN-IPR8020BYAN-B
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0
FOV	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 93.4°, V: 69.1°	H: 95.5°, V: 51.9°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67	IP67	IP67	IP67
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm

IPC Pro Series

	Vari-focal Bullet Camera			
Model	SN-IPR8080BZAN-Z	SN-IPR8050BZAN-Z	SN-IPR8040BZAN-Z	SN-IPR8020BZAN-Z
Appearance				
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67	IP67	IP67	IP67
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	232 × 80 × 80mm	232 × 80 × 80mm	232 × 80 × 80mm	232 × 80 × 80mm

IPC Pro Series

	Vari-focal Bullet Camera			
Model	SN-IPR8080AKAN-Z	SN-IPR8050AKAN-Z	SN-IPR8040AKAN-Z	SN-IPR8020AKAN-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ110 × 353.3mm	φ110 × 353.3mm	φ110 × 353.3mm	φ110 × 353.3mm

IPC Pro Series

	Vari-focal Bullet Camera			
Model	SN-IPR8080DQAN-Z	SN-IPR8050DQAN-Z	SN-IPR8040DQAN-Z	SN-IPR8020DQAN-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	303 × 100 × 107mm	303 × 100 × 107mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC Pro Series

	Cable Free Mini Dome Camera			
Model	SN-IPD8080EPAR-B	SN-IPD8050EPAR-B	SN-IPD8040EPAR-B	SN-IPD8020EPAR-B
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0
FOV	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 93.4°, V: 69.1°	H: 95.5°, V: 51.9°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	-	-	-	-
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	99.6 × 99.6 × 62.5 mm	99.6 × 99.6 × 62.5 mm	99.6 × 99.6 × 62.5 mm	99.6 × 99.6 × 62.5 mm

IPC Pro Series

	Mini Dome Camera			
Model	SN-IPV8080EGAR-B	SN-IPV8050EGAR-B	SN-IPV8040EGAR-B	SN-IPV8020EGAR-B
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0
FOV	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 93.4°, V: 69.1°	H: 95.5°, V: 51.9°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)	Up to 15m (49.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	99.5 × 99.5 × 63.3mm	99.5 × 99.5 × 63.3mm	99.5 × 99.5 × 63.3mm	99.5 × 99.5 × 63.3mm

IPC Pro Series

	Fixed Dome Camera			
Model	SN-IPV8080EFAR-B	SN-IPV8050EFAR-B	SN-IPV8040EFAR-B	SN-IPV8020EFAR-B
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.2	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0
FOV	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 93.4°, V: 69.1°	H: 95.5°, V: 51.9°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ110 × 85.4mm	φ110 × 85.4mm	φ110 × 85.4mm	φ110 × 85.4mm

IPC Pro Series

	Vari-focal Dome Camera			
Model	SN-IPV8080EEAR-Z	SN-IPV8050EEAR-Z	SN-IPV8040EEAR-Z	SN-IPV8020EEAR-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ130 × 113 mm	φ130 × 113 mm	φ130 × 113 mm	φ130 × 113 mm

IPC Pro Series

	Cable Free Vari-focal Dome Camera			
Model	SN-IPV8080EDAR-Z	SN-IPV8050EDAR-Z	SN-IPV8040EDAR-Z	SN-IPV8020EDAR-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ140 × 110mm	φ140 × 110mm	φ140 × 110mm	φ140 × 110mm

IPC Pro Series

	Fixed Turret Camera			Vari-focal Turret Camera		
Model	SN-IPR8080HCAN-B	SN-IPR8050HCAN-B	SN-IPR8040HCAN-B	SN-IPR8080HDAN-Z	SN-IPR8050HDAN-Z	SN-IPR8040HDAN-Z
Appearance						
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.8mm/F2.0	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 93.4°, V: 69.1°	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 87.5°~26°, V: 64.8°~19.9°	H: 87.5°~26°, V: 64.8°~19.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.03Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.03Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920×1080 (2MP)	3840×2160 (8MP)	2592×1944 (5MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps@ 2MP	25/30fps@ 8MP	25/30fps@ 5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC	1/1, Built-in MIC
Alarm In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP67, IK10	IP67, IK10
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94mm	φ118 × 94mm	φ118 × 94mm	φ140 × 119.2 mm	φ140 × 119.2 mm	φ140 × 119.2 mm

IPC Pro Series

	Vari-focal Turret Camera			
Model	SN-IPR8080CQAN-Z	SN-IPR8050CQAN-Z	SN-IPR8040CQAN-Z	SN-IPR8020CQAN-Z
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1° ~30.9°, V: 52.6° ~17.3°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 87.5° ~26°, V: 64.8° ~19.9°	H: 101° ~28°, V: 54° ~16°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker	1/1, Built-in MIC, Built-in Speaker
Alarm In/Out	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)	-40° C~55° C (-40° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2mm	φ140 × 119.2mm

NETWORK CAMERAS

Eco Series

- 2MP~5MP@25fps
- Supports Face, Human, and Vehicle Detection
- Meets the intelligent security needs of small and medium-sized enterprises
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection)



Deep Learning Algorithm



Human/Vehicle Detection



Smart Event



Smart IR



Memory Slot



Multiple Resolution



IPC Eco Series

	Fixed Bullet Cameras		Vari-focal Bullet Camera		
Model	SN-IPR8140BYBN-B	SN-IPR8130BYBN-B	SN-IPR8150BZBN-Z	SN-IPR8140BZBN-Z	SN-IPR8130BZBN-Z
Appearance					
Image Sensor	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS
Lens	2.8mm/F1.6	2.8mm/F1.6	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98°, V: 52.5°	H: 106°, V: 48°	H: 104.8°~30.3°, V: 56.3°~16°	H: 95.8°~30°, V: 52.4°~16.9°	H: 100.6°~28.7°, V: 54.3°~16.1°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2560×1440(4MP)	2304×1296 (3MP)	2880×1620 (5MP)	2560×1440(4MP)	2304×1296 (3MP)
Max. Frame Rate	25fps @4MP	25fps @3MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human)		-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human)	
Audio In/Out	-/-	-/-	-/-	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67	IP67	IP67	IP67	IP67
Operating Temperature	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	187.6 × 64 × 64mm	187.6 × 64 × 64mm	232 × 80 × 80mm	232 × 80 × 80mm	232 × 80 × 80mm

IPC Eco Series

	Fixed Dome Camera			Vari-focal Dome Camera		
Model	SN-IPV8150EFBR-B	SN-IPV8140EFBR-B	SN-IPV8130EFBR-B	SN-IPV8150EEBR-Z	SN-IPV8140EEBR-Z	SN-IPV8130EEBR-Z
Appearance						
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS
Lens	2.8mm/F1.6	2.8mm/F1.6	2.8mm/F1.6	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 106° , V: 56°	H: 98° , V: 52.5°	H: 106° , V: 48°	H: 104.8° ~30.3° , V: 56.3° ~16°	H: 95.8° ~30° , V: 52.4° ~16.9°	H: 100.6° ~28.7° , V: 54.3° ~16.1°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2880×1620 (5MP)	2560×1440(4MP)	2304×1296 (3MP)	2880×1620 (5MP)	2560×1440(4MP)	2304×1296 (3MP)
Max. Frame Rate	25fps @5MP	25fps @4MP	25fps @3MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human)		-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human)	
Audio In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ110 × 85.4mm	φ110 × 85.4mm	φ110 × 85.4mm	φ130 × 113 mm	φ130 × 113 mm	φ130 × 113 mm

IPC Eco Series

	Fixed Turret Camera		Vari-focal Turret Cameras		
Model	SN-IPR8140HCBN-B	SN-IPR8131HCBN-B	SN-IPR8150HDBN-Z	SN-IPR8140HDBN-Z	SN-IPR8131HDBN-Z
Appearance	 	 	 	 	 
Image Sensor	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.8mm/F1.6	2.8mm/F1.6	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98°, V: 52.5°	H: 85.4°, V: 46.5°	H: 104.8°~30.3°, V: 56.3°~16°	H: 95.8°~30°, V: 52.4°~16.9°	H: 100.6°~28.7°, V: 54.3°~16.1°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color: 0.03Lux @(F1.2, AGC ON); B/W: 0Lux @(IR LED ON)	Color: 0.03Lux @(F1.2, AGC ON); B/W: 0Lux @(IR LED ON)	Color: 0.03Lux @(F1.2, AGC ON); B/W: 0Lux @(IR LED ON)
WDR	DWDR	True WDR	DWDR	DWDR	True WDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2560×1440(4MP)	2304×1296 (3MP)	2880×1620 (5MP)	2560×1440 (4MP)	2304×1296 (3MP)
Max. Frame Rate	25fps @4MP	25fps @3MP	25fps@ 5MP	25fps@ 4MP	25fps@ 3MP
Smart Function	Support Face, Human, Vehicle Detection. IVS	-	-/-	Support Face, Human, Vehicle Detection. IVS	-/-
Audio In/Out	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC
Alarm In/Out	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	φ118 × 94mm	φ118 × 94mm	φ140 × 119.2 mm	φ140 × 119.2 mm	φ140 × 119.2 mm

Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human)

IPC Eco Series

	Pinhole Camera	
Model	SN-MNC8120AG-B	SN-MNC8120AG-P
Appearance	 	 
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
Lens	2.8mm/F2.0 (Fixed)	3.7mm/F2.0 (Pinhole)
FOV	H: 113.9°, V: 60.2°	H: 81.9°, V: 40.8°
Day/Night	ICR	ICR
Min. Illumination	Color:0.01Lux @(F2.0, AGC ON) B/W:0.001Lux @(F2.0, AGC ON)	Color:0.01Lux @(F2.0, AGC ON) B/W:0.001Lux @(F2.0, AGC ON)
WDR	True WDR	True WDR
IR Distance	-	-
Max. Resolution	1920×1080 (2MP)	1920×1080 (2MP)
Max. Frame Rate	25/30fps@2MP	25/30fps@2MP
Smart Function	Optional	Optional
Audio In/Out	1/1	1/1
Alarm In/Out	2/1	2/1
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	-	-
Operating Temperature	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	37.6 × 44.1 × 46.5 mm	37.6 × 34 × 46.5 mm

NETWORK CAMERAS

Lite Series

- 2MP~4MP@25fps,5MP@20fps
- Standard human detection, effectively reduce false positives
- Meet strict quality requirements, high cost performance



Dual Illumination



Low Light



Smart IR



Human Detection



Perimeter Protection



SD Card



IPC Lite Series

	Full-color Cameras					
Model	SN-IPR5180HZBW-B	SN-IPR5180HZBS-B	SN-IPR5150HZBS-B	SN-IPR5122HZBS-B	SN-IPR5150HBAS-B	SN-IPR5150DUAS-B
Appearance						
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS
Lens	4mm/F1.0	4mm/F1.6	4mm/F1.6 (2.8mm optional)	4mm/F1.6	4mm/F1.6 (2.8mm optional)	4mm/F1.6 (2.8mm optional)
FOV	H: 84.5°, V: 46°	H: 89.2°, V: 45.4°	H: 80.6°, V: 41.5°	H: 89.5°, V: 45.8°	H: 80.6°, V: 41.5°	H: 80.6°, V: 41.5°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.03Lux @(F1.0, AGC ON), 0Lux with light	Color:0.05Lux @(F1.6, AGC ON), 0 Lux with illumination on	Color: 0.1 Lux @ (F1.6,AGC ON), 0 Lux with illumination on	Color:0.1Lux @(F1.6, AGC ON) 0 Lux with illumination on	Color: 0.1 Lux @ (F1.6,AGC ON), 0 Lux with illumination on	Color: 0.1 Lux @ (F1.6,AGC ON), 0 Lux with illumination on
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Illumination Distance	Up to 30m (98.42 ft) (warm light)	30m (98.42 ft) (IR), 30m (98.42 ft) (warm light)	30m (98.42 ft) (IR), 30m (98.42 ft) (warm light)	30m (98.42 ft) (IR), 30m (98.42 ft) (warm light)	20m (65.6 ft) (IR), 20m (65.6 ft) (warm light)	30m (98.42 ft) (IR), 30m (98.42 ft) (warm light)
Max. Resolution	3840×2160 (8MP)	3840×2160 (8MP)	2560×1920 (5MP)	1920×1080 (2MP)	2560×1920 (5MP)	2560×1920 (5MP)
Max. Frame Rate	20fps@8MP	20fps@8MP	20fps@5MP	25/30fps@2MP	20fps@5MP	20fps@5MP
Smart Function	Support intrusion and line crossing detection(human/vehical)		Support human based detection of intrusion, line crossing		Support human based detection of intrusion, line crossing	
Audio In/Out	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC, Built-in Speaker	-/-, Built-in MIC, Built-in Speaker
Alarm In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-12° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-12° F~131° F)	-25° C~55° C (-12° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	Φ111 × 95mm	Φ111 × 95mm	Φ111 × 95mm	Φ111 × 95mm	φ70 × 172mm	314 × 118 × 169mm

IPC Lite Series

	Fixed Bullet Cameras				
Model	SN-IPR5180BSBN-B	SN-IPR5150BSBN-B	SN-IPR5150CSBN-B	SN-IPR5142CSBN-B	SN-IPR5122CSBN-B
Appearance					
Image Sensor	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.8" CMOS
Lens	4mm/F1.6	4mm/F1.6	4mm/F1.6	4mm/F1.6	4mm/F1.6
FOV	H: 89.2°, V: 45.4°	H: 80.6°, V: 41.5°	H: 80.6°, V: 41.5°	H: 79.3°, V: 40.7°	H: 89.5°, V: 45.8°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.05Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Illumination Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)
Max. Resolution	3840×2160 (8MP)	2560×1920 (5MP)	2560×1920 (5MP)	2560×1440 (4MP)	1920×1080 (2MP)
Max. Frame Rate	20fps@8MP	20fps@5MP	20fps@5MP	25fps@4MP	25/30fps@2MP
Smart Function	Support intrusion and line crossing detection (human/vehical)	Support human based detection of intrusion, line crossing		Support human based detection of intrusion, line crossing	
Audio In/Out	-/-, Built-in MIC	-/-, Built-in MIC	-/-	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	154.5 × 64 × 64mm	154.5 × 64 × 64mm	181.9 × 66.26 × 66.17 mm	181.9 × 66.26 × 66.17 mm	181.9 × 66.26 × 66.17 mm

IPC Lite Series

	Vari-focal Bullet Camera		Fixed Dome Camera		Vari-focal Dome Camera	
Model	SN-IPR5142BZBN-M	SN-IPR5122BZBN-M	SN-IPV5142EFBR-B	SN-IPV5122EFBR-B	SN-IPV5142EEBR-M	SN-IPV5122EEBR-M
Appearance						
Image Sensor	1/3" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.8" CMOS
Lens	2.7~13.5mm/F1.6	2.8~12mm/F1.6	2.8mm/F2.0	2.8mm/F2.0	2.7~13.5mm/F1.6	2.8~12mm/F1.6
FOV	H: 96.6°, ~26.9° V: 52.5° ~15.1°	H: 101.9°, ~33.6° V: 53.6° ~18.9°	H: 92.9°, V: 50.4°	H: 104.1°, V: 55.4°	H: 96.6°, ~26.9° V: 52.5° ~15.1°	H: 101.9°, ~33.6° V: 53.6° ~18.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	2560×1440 (4MP)	1920×1080 (2MP)	2560×1440 (4MP)	1920×1080 (2MP)	2560×1440 (4MP)	1920×1080 (2MP)
Max. Frame Rate	25fps@4MP	25/30fps@2MP	25fps@4MP	25/30fps@2MP	25fps@4MP	25/30fps@2MP
Smart Function	Support human based detection of intrusion, line crossing		Support human based detection of intrusion, line crossing		Support human based detection of intrusion, line crossing	
Audio In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP67	IP67	IP67, IK10	IP67, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	232 × 80 × 80 mm	232 × 80 × 80 mm	Φ110 × 85.4mm	Φ110 × 85.4mm	Φ130 × 113mm	Φ130 × 113mm

IPC Lite Series

	Fixed Turret Cameras				Vari-focal Turret Camera	
Model	SN-IPR5180HZBN-B	SN-IPR5150HZBN-B	SN-IPR5142HZBN-B	SN-IPR5122HZBN-B	SN-IPR5142BH-M	SN-IPR5122BH-M
Appearance						
Image Sensor	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/2.8" CMOS	1/3" CMOS	1/2.8" CMOS
Lens	4mm/F1.6	4mm/F1.6	4mm/F1.6	4mm/F1.6	2.7~13.5mm/F1.6	2.8~12mm/F1.6
FOV	H: 89.2°, V: 45.4°	H: 80.6°, V: 41.5°	H: 79.3°, V: 40.7°	H: 89.5°, V: 45.8°	H: 96.6°, ~26.9° V: 52.5° ~15.1°	H: 101.9°, ~33.6° V: 53.6° ~18.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color:0.05Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.1Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR Distance	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 30m (98.4 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840×2160 (8MP)	2560×1920 (5MP)	2560×1440 (4MP)	1920×1080 (2MP)	2560×1440 (4MP)	1920×1080 (2MP)
Max. Frame Rate	20fps @8MP	20fps @5MP	25fps@4MP	25/30fps @2MP	25fps@4MP	25/30fps @2MP
Smart Function	Support intrusion and line crossing detection (human/vehical)	Support human based detection of intrusion, line crossing			Support human based detection of intrusion, line crossing	
Audio In/Out	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-	-/-	-/-
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	-/-	-/-
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-25° C~55° C (-13° F~131° F)	-30° C~55° C (-22° F~131° F)	-30° C~55° C (-22° F~131° F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	Φ111 × 95mm	Φ111 × 95mm	Φ111 × 95mm	Φ111 × 95mm	φ120 × 96mm	φ120 × 96mm

NETWORK CAMERAS

Network PTZ Series

- Product size covers 4-inch, 5-inch, 7-inch, matching 12x~40x HD modules
- Advanced deep learning intelligent algorithm, intelligent tracking
- High-quality products designed for the needs of the industry, can be widely used in a variety of large open scene.
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection), People Counting



Deep Learning Algorithm



Human/Vehicle Detection



People Counting



Starlight



2MP~5MP



Auto Iris



Smart Event



Intelligent Tracking



True WDR



Two-way Audio



Alarm In/Out



Memory Slot



Network PTZ Cameras

	4" Mini PTZ Camera	4" IR PTZ Camera		5" IR PTZ Camera		
Model	SN-IPS5940ELDN-Z12	SN-IPS5940CDR-Z12	SN-IPS5950CDR-Z12	SN-IPS5924TDR-Z25	SN-IPS5943TDR-Z30	SN-IPS5953TDR-Z30
Appearance						
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	4.7~56.4mm, 12x optical zoom	4.7~56.4mm, 12x optical zoom	4.7~56.4mm, 12x optical zoom	5~125mm, 25x optical zoom	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom
FOV	H: 60.9° ~6.43°, V: 40.1° ~4.1°	H: 60.9° ~6.43°, V: 40.1° ~4.1°	H: 60.9° ~6.43°, V: 40.1° ~4.1°	H: 58.5° ~2.8°, V: 33.2° ~1.5°	H: 55° ~2.3°, V: 41.6° ~1.7°	H: 55° ~2.3°, V: 41.6° ~1.7°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	-	Up to 80m (262.5 ft)	Up to 80m (262.5 ft)	Up to 150m (492.1 ft)	Up to 150m (492.1 ft)	Up to 150m (492.1 ft)
Max. Resolution	2592×1520 (4MP)	2592×1520 (4MP)	2560×1920 (5MP)	1920×1080 (2MP)	2592×1520 (4MP)	2560×1920 (5MP)
Max. Frame Rate	25/30fps @4MP	25/30fps @4MP	20fps @5MP	25/30fps @2MP	25/30fps @4MP	20fps @5MP
Smart Function	Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Object left, Object removed, Abnormal speed, Illegal parking			Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting, Intelligent tracking		
Audio In/Out	-/-	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	-/-	2/1	2/1	2/1	2/1	2/1
Memory Slot	-/-	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-20° C ~ 50° C (-4° F ~ 122° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)
Power	12 VDC/POE (802.3af)	12 VDC/POE+ (802.3at)	12 VDC/POE+ (802.3at)	12 VDC/POE+ (802.3at)	12 VDC/POE+ (802.3at)	12 VDC/POE+ (802.3at)
Dimension	φ173.2×292.6mm	146.6 × 139.3 × 218.3 mm	146.6 × 139.3 × 218.3 mm	φ173.2×292.6mm	φ173.2×292.6mm	φ173.2×292.6mm

Network PTZ Cameras

	7" IR PTZ Camera		
Model	SN-IPS5921MDR-Z37	SN-IPS5943MDR-Z40	SN-IPS5953MDR-Z40
Appearance			
Image Sensor	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	6~222mm, 37x optical zoom	4.98~199.3mm, 40x optical zoom	4.98~199.3mm, 40x optical zoom
FOV	H: 58.4° ~2.1°	H: 59.1° ~1.8°	H: 59.1° ~1.8°
Day/Night	ICR	ICR	ICR
Min. Illumination	Color: 0.001Lux @(F1.2, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.2, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.2, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR
IR Distance	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)
Max. Resolution	1920×1080 (2MP)	2592×1520 (4MP)	2560×1920 (5MP)
Max. Frame Rate	25/30fps @2MP	25/30fps @4MP	20fps @5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting. Intelligent tracking		
Audio In/Out	1/1	1/1	1/1
Alarm In/Out	7/2	7/2	7/2
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66
Operating Temperature	-55° C~60° C (-67° F ~140° F)	-55° C~60° C (-67° F ~140° F)	-55° C~60° C (-67° F ~140° F)
Power	24 VAC/Hi-POE (Adapter optional)	24 VAC/Hi-POE (Adapter optional)	24 VAC/Hi-POE (Adapter optional)
Dimension	φ226 × 362.8mm	φ226 × 362.8mm	φ226 × 362.8mm

Network PTZ Cameras

	5" IR PTZ Camera			7" IR PTZ Camera		
Model	SN-IPS8620TDR-Z25	SN-IPS8640TDR-Z30	SN-IPS8650TDR-Z30	SN-IPS8620MDR-Z25	SN-IPS8640MDR-Z30	SN-IPS8650MDR-Z30
Appearance						
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	5~125mm, 25x optical zoom	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom	5~125mm, 25x optical zoom	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom
FOV	H: 58.5°~2.8°, V: 33.2°~1.5°	H: 55°~2.3°, V: 41.6°~1.7°	H: 55°~2.3°, V: 41.6°~1.7°	H: 58.5°~2.8°, V: 33.2°~1.5°	H: 55°~2.3°, V: 41.6°~1.7°	H: 55°~2.3°, V: 41.6°~1.7°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 150m (492.1 ft)	Up to 150m (492.1 ft)	Up to 150m (492.1 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)
Max. Resolution	1920×1080 (2MP)	2592×1440 (4MP)	2592×1920 (5MP)	1920×1080 (2MP)	2592×1440 (4MP)	2592×1920 (5MP)
Max. Frame Rate	25/30fps @2MP	25/30fps @4MP	25/30fps @5MP	25/30fps @2MP	25/30fps @4MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting. Intelligent tracking			Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting. Intelligent tracking		
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	2/2	2/2	2/2	7/2	7/2	7/2
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)
Power	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V
Dimension	φ173.2×292.6mm	φ173.2×292.6mm	φ173.2×292.6mm	φ226×362.8mm	φ226×362.8mm	φ226×362.8mm

Network PTZ Cameras

	7" IR PTZ Camera				
Model	SN-IPS8640WDR-Z30	SN-IPS8650WDR-Z30	SN-IPS8644MDR-Z37	SN-IPS8643MDR-Z40	SN-IPS8653MDR-Z40
Appearance	 	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom	6.8~251mm, 37x optical zoom	4.98~199.3mm, 40x optical zoom	4.98~199.3mm, 40x optical zoom
FOV	H: 56.6°~2.48°, V: 42.7°~1.91°	H: 56.6°~2.48°, V: 42.7°~1.91°	H: 59.6°~2.3°, V: 35.1°~1.3°	H: 59.1°~1.8°, V: 38.4°~1.1°	H: 59.1°~1.8°, V: 38.4°~1.1°
Day/Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.005Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.5, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.2, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.005Lux @(F1.2, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)
Max. Resolution	2592×1520 (4MP)	2592×1944 (5MP)	2592×1520 (4MP)	2592×1520 (4MP)	2592×1944 (5MP)
Max. Frame Rate	25/30fps @4MP	25/30fps @5MP	25/30fps @4MP	25/30fps @4MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting. Intelligent tracking		Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting. Intelligent tracking		
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	7/2	7/2	7/2	7/2	7/2
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)
Power	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V	AC24V/DC36V/POE++ (802.3bt) Standard Equipped: DC36V
Dimension	φ226×362.8mm	φ226×362.8mm	φ226×362.8mm	φ226×362.8mm	φ226×362.8mm

Explosion-Proof



Explosion-Proof Cameras

	Explosion-Proof Series			
Model	SN-CHP8650CDN-Z30	SN-CHP8650CDR-Z30	SN-CHP8650EBR-Z30	SN-IPS8650PAR-Z30
Appearance	 	 	 	 
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom	5.3~159mm, 30x optical zoom
FOV	H: 56.6° ~2.48°, V: 42.7° ~1.91°	H: 56.6° ~2.48°, V: 42.7° ~1.91°	H: 56.6° ~2.48°, V: 42.7° ~1.91°	H: 56.6° ~2.48°, V: 42.7° ~1.91°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0.02Lux @(F1.6, AGC ON)	Color: 0.07 Lux @(F1.6, AGC ON) B/W: 0.02 Lux, 0 Lux (IR LED ON)	Color: 0.07 Lux @ (F1.6, AGC ON) B/W: 0.02 Lux, 0 Lux (IR LED ON)	Color: 0.07 Lux @ (F1.6, AGC ON) B/W: 0.02 Lux, 0 Lux (IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	-	Up to 100m (328.08 ft)	Up to 200m (656.16 ft)	Up to 200m (656.16 ft)
Max. Resolution	2592×1944 (5MP)	2592×1944 (5MP)	2592×1944 (5MP)	2592×1944 (5MP)
Max. Frame Rate	25/30fps @5MP	25/30fps @5MP	25/30fps @5MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting		Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way (the five functions support the accurate detection of vehicle and human), People counting	
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	2/1	2/1	2/1	5/1
CVBS Output	Support	Support	Support	Support
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Protection	IP68	IP68	IP68	IP66
Operating Temperature	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)	-40° C~60° C (-40° F ~140° F)
Power	100 ~ 240 VAC, Max. 25W	100 ~ 240 VAC, Max. 36W	100 ~ 240 VAC, Max. 36W	100 ~ 240 VAC, Max. 75W
Dimension	524×179×215mm	523.5×296.7×220.6mm	523.5×405.6×220.6mm	530×295×420mm



THERMAL CAMERAS



THERMAL CAMERAS

Thermal Camera Series

- Temperature measurement accuracy $\pm 2^{\circ}\text{C}/\pm 2\%$ (take the greater value), temperature range can be customized
- Can be equipped with a variety of deep learning algorithms
- Ten years of technology accumulation, products are widely used in all walks of life



Deep Learning Algorithm



Human/Vehicle Detection



Fire Spot Detection



Ship Detection



Smoking Detection



Multiple Resolutions



Two-way Audio



Alarm In/Out



Memory Slot



Thermal Cameras

	Bi-Spectrum Series	
Model	SN-D2-F	SN-D2L-F
Appearance		
Max. Resolution	Optical: 1920×1080, Thermal: 256×192	Optical: 1600×1200, Thermal: 256×192
Pixel Pitch	12um	12um
Sensitivity (NETD)	≤ 65mK	≤ 60mK
Lens	Optical: 2.1mm, Thermal: 1.9mm	Optical: 2.3mm, Thermal: 2.0mm
FOV	Optical: H: 136.2°, V: 77.3°, Thermal: H: 95°, V: 75°	Optical: H: 100°, V: 75°, Thermal: H: 90°, V: 65°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	-	-
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-20° C ~ 150° C (-4° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Mesurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Reliable temperature exception alarm function	Reliable temperature exception alarm function
Network Interface	1 × RJ-45	1 × RJ-45
Audio In/Out	-	-
Alarm In/Out	1/1	1/1
RS485	Support	Support
CVBS Output	Support	-
Storage	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Power	12VDC/24VDC/PoE (IEEE 802.3af)	10-30VDC/PoE (IEEE 802.3af)
Working Temperature	-30° C~60° C(-22° F~140° F)	-30° C~60° C(-22° F~140° F)
Protection	IP66	IP67
Dimensions (L× W×H)	63×43×92mm	55×46×118mm

Thermal Cameras

	Bi-Spectrum Series			
Model	SN-TPC2552DT-F	SN-TPC2553DT-F	SN-TPC2552CT-F	SN-TPC4233DJT-F
Appearance		 		 
Max. Resolution	Optical: 1920×1080, Thermal: 256×192	Optical: 2880×1620, Thermal: 256×192	Optical: 2880×1620, Thermal: 256×192	Optical: 1920×1080, Thermal: 400×300
Pixel Pitch	12um	12um	12um	17um
Sensitivity (NETD)	<50mK	<50mK	<60mK	≤ 40mK
Lens	Optical: 4mm, Thermal: 3.2mm	Optical: 8mm, Thermal: 7mm	Optical: 4mm, Thermal: 3.5mm	Optical: 5~50mm, Thermal: 8/15/25/35/50mm
FOV	Optical: H: 84°, V: 45°, Thermal: H: 56°, V: 42°	Optical: H: 40°, V: 20°, Thermal: H: 24°, V: 18°	Optical: H: 40°, V: 20°, Thermal: H: 24°, V: 18°	Optical H: 50.85° ~7.67°, V: 27.78° ~4.36°, Thermal: 8mm: 46°×35.3°, 15mm: 25.5°×19.2°, 25mm: 15.4°×11.6°, 35mm: 11°×8.3°, 50mm: 7.7°×5.8°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	133(a)/133(b)/409(c)m	292(a)/291(b)/894(c)m	146(a)/146(b)/447(c)m	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-15° C ~ 150° C (5° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Mesurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Network Interface	1 × RJ-45	1 × RJ-45	1 × RJ-45	1 × RJ-45
Audio In/Out	1/1, Built-in speaker	1/1, Built-in speaker	1/1, Built-in MIC & speaker	1/1
Alarm In/Out	2/2	2/2	2/2	2/2
RS485	Support	Support	Support	Support
CVBS Output	Support	-	-	-
Storage	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Power	DC12V/DC24V/POE (IEEE 802.3af), Max 12W	DC12V/DC24V/POE (IEEE 802.3af), Max 12W	DC12V/DC24V/POE (IEEE 802.3af), Max 12W	DC12V/DC24V/POE (IEEE 802.3af), Max 12W
Working Temperature	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)
Protection	IP66	IP66	IP66	IP66
Dimensions (L× W×H)	303×95×107 mm	303×95×107 mm	φ140×117.8 mm	(244.8~274.8)×180.5×126.8 mm









Thermal Cameras

	Fixed Thermal Series			
Model	SN-TPC4201VT(III)	SN-TPC4201AT(III)	SN-TPC4203AT	SN-TPC6406VT
Appearance				
Max. Resolution	Uncooled VOx Micro bolometer 400×300	Uncooled VOx Micro bolometer 400×300	Uncooled VOx Micro bolometer 400×300	Uncooled VOx Micro bolometer 640×512
Pixel Pitch	17um	17um	17um	12um
Sensitivity (NETD)	≤ 40mK	≤ 40mK	≤ 40mK	≤ 40mK
Lens	Manual Focus: 8/15/25/35/50mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0	Manual Focus: 8/15/25/35/50mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0	Manual Focus: 8/15/25/35/50mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0	Free Focus: 9/15/25/35/50mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0
FOV	8mm: 46°×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°, 75mm: 5.1°×3.8° 100mm: 3.8°×2.3°	8mm: 46°×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°, 75mm: 5.1°×3.8° 100mm: 3.8°×2.3°	8mm: 46°×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°, 75mm: 5.1°×3.8° 100mm: 3.8°×2.3°	9mm: 48°×38°, 15mm: 29°×23° 25mm: 17°×14°, 35mm: 12°×10° 50mm: 8°×7°, 75mm: 6°×5° 100mm: 4.3°×3.5°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m 75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m 75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m 75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	9mm: 375(a)/375(b)/1150(c)m 15mm: 625(a)/624(b)/1917(c)m 25mm: 1042(a)/1040(b)/3194(c)m 35mm: 1458(a)/1456(b)/4472(c)m 50mm: 2083(a)/2081(b)/6389(c)m 75mm: 3125(a)/3121(b)/9583(c)m 100mm: 4167(a)/4161(b)/12778(c)m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-40° C ~ 150° C (-40° F ~ 302° F)	-40° C ~ 150° C (-40° F ~ 302° F)	-40° C ~ 150° C (-40° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Measurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Temperature detection, IVS	Temperature detection, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Network Interface	1 × RJ-45	1 × RJ-45	1 × RJ-45	1 × RJ-45
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	2/2	2/2	1/1
RS485	Support	Support	Support	Support
CVBS Output	Support	Support	-	-
Storage	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Power	12 VDC±10%, Max 5W	12 VDC±10%, Max 5W	12 VDC±10%, Max 5W	12 VDC±10%, Max 3.6W
Working Temperature	-30° C~60° C(-22° F~140° F)	-30° C~60° C(-22° F~140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)
Protection	-	-	-	-
Dimensions (L× W×H)	74×52×52 mm without lens	90.5×70×70 mm without lens	90.5×70×70 mm without lens	64.8×52×52 mm without lens





Thermal Cameras

	Bullet Thermal Series		
Model	SN-TPC4201KT(III)	SN-TPC4203KT	SN-TPC6406KT
Appearance		 	 
Max. Resolution	Uncooled VOx Micro bolometer 400×300	Uncooled VOx Micro bolometer 400×300	Uncooled VOx Micro bolometer 640×512
Pixel Pitch	17um	17um	12um
Sensitivity (NETD)	≤ 40mK	≤ 40mK	≤ 40mK
Lens	Manual Focus: 8/15/25/35/50mm, F1.0	Manual Focus: 8/15/25/35/50mm, F1.0	Free Focus: 9/15/25/35/50mm, F1.0
FOV	8mm: 46°×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°	8mm: 46°×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°	9mm: 48°×38°, 15mm: 29°×23° 25mm: 17°×14°, 35mm: 12°×10° 50mm: 8°×7°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	9mm: 375(a)/375(b)/1150(c)m 15mm: 625(a)/624(b)/1917(c)m 25mm: 1042(a)/1040(b)/3194(c)m 35mm: 1458(a)/1456(b)/4472(c)m 50mm: 2083(a)/2081(b)/6389(c)m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-40° C ~ 150° C (-40° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Mesurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Temperature detection, IVS	Temperature detection, human detection, vehicle detection, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Network Interface	1 × RJ-45	1 × RJ-45	1 × RJ-45
Audio In/Out	1/1	1/1	1/1
Alarm In/Out	2/2	2/2	2/2
RS485	Support	Support	Support
CVBS Output	Support	-	-
Storage	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Power	12 VDC±10%/PoE (802.3af), Max 5W	12 VDC±10%/PoE (802.3af), Max 5W	12 VDC/24 VAC/PoE (802.3af), Max 4.5W
Working Temperature	-30° C~60° C(-22° F~140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)
Protection	IP66	IP66	IP66
Dimensions (L× W×H)	φ110×387.6 mm with 25mm lens	φ110×387.6 mm with 25mm lens	φ120×352.6 mm with 25mm lens

Thermal Cameras

	PTZ Thermal Series			
Model	SN-TPT4233QF	SN-TPT6436QF	SN-TPT4233LZ	SN-TPT6436LZ
Appearance	 	 	 	 
Max. Resolution	Thermal: 400×300 Optical: 2592×1520	Thermal: 640×512 Optical: 2592×1520	Thermal: 400×300 Optical: 2592×1520	Thermal: 640×512 Optical: 2592×1520
Pixel Pitch	17um	12um	17um	12um
Sensitivity (NETD)	≤ 40mK	≤ 40mK	≤ 40mK	≤ 40mK
Thermal Lens	Manual Focus: 8/15/25mm, F1.0 Motorized Focus: 25mm, F1.0	Free Focus: 9/15/25mm, F1.0 Motorized Focus: 25mm, F1.0	Manual Focus: 8/15/25/35/50mm, F1.0 Motorized Focus: 25/50mm, F1.0	Free Focus: 9/15/25/35/50mm, F1.0 Motorized Focus: 25/50mm, F1.0
FOV (Thermal)	8mm: 46° ×35.3°, 15mm: 25.5° ×19.2° 25mm: 15.4° ×11.6°, 35mm: 11° ×8.3° 50mm: 7.7° ×5.8°	9mm: 48° ×38°, 15mm: 29° ×23° 25mm: 17° ×14°, 35mm: 12° ×10° 50mm: 8° ×7°	8mm: 46° ×35.3°, 15mm: 25.5° ×19.2° 25mm: 15.4° ×11.6°, 35mm: 11° ×8.3° 50mm: 7.7° ×5.8°	9mm: 48° ×38°, 15mm: 29° ×23° 25mm: 17° ×14°, 35mm: 12° ×10° 50mm: 8° ×7°
Optical Lens/FOV	5.3~159mm, 30x optical zoom, H: 55° ~2.3°, V: 41.6° ~1.7°	5.3~159mm, 30x optical zoom, H: 55° ~2.3°, V: 41.6° ~1.7°	5.3~159mm, 30x optical zoom, H: 55° ~2.3°, V: 41.6° ~1.7°	5.3~159mm, 30x optical zoom, H: 55° ~2.3°, V: 41.6° ~1.7°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	9mm: 375(a)/375(b)/1150(c)m 15mm: 625(a)/624(b)/1917(c)m 25mm: 1042(a)/1040(b)/3194(c)m 35mm: 1458(a)/1456(b)/4472(c)m 50mm: 2083(a)/2081(b)/6389(c)m	8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	9mm: 375(a)/375(b)/1150(c)m 15mm: 625(a)/624(b)/1917(c)m 25mm: 1042(a)/1040(b)/3194(c)m 35mm: 1458(a)/1456(b)/4472(c)m 50mm: 2083(a)/2081(b)/6389(c)m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-20° C ~ 150° C (-4° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)	-40° C ~ 150° C (-40° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Mesurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Network Interface	2 × RJ-45	2 × RJ-45	1 × RJ-45	1 × RJ-45
Audio In/Out	1/1	1/1	2/2	2/2
Alarm In/Out	-/1	-/1	9/4	9/4
RS485	1ch (Optical)	1ch (Optical)	1ch (Thermal)	1ch (Thermal)
CVBS Output	1ch (Optical)	1ch (Optical)	1ch (Optical)	1ch (Optical)
Power	24 VDC	24 VDC	36 VDC	36 VDC
Working Temperature	-30° C ~60° C (-22° F ~140° F)	-30° C ~60° C (-22° F ~140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)
Protection	IP66	IP66	IP66	IP66
Dimensions (L× W×H)	322×192×163 mm	322×192×163 mm	282×419×316 mm	282×419×316 mm

Thermal Cameras

	PTZ Thermal Series			
Model	SN-TPT4233ZZ	SN-TPT6436ZZ	SN-TPT4233HZ	SN-TPT6436HZ
Appearance				
Max. Resolution	Thermal: 400×300 Optical: 1920×1080, (2592×1520 optional)	Thermal: 640×512 Optical: 1920×1080, (2592×1520 optional)	Thermal: 400×300 Optical: 2592×1520	Thermal: 640×512 Optical: 2592×1520
Pixel Pitch	17um	12um	17um	12um
Sensitivity (NETD)	≤ 40mK	≤ 40mK	≤ 40mK	≤ 40mK
Thermal Lens	Motorized Focus: 50/75/100mm, F1.0	Motorized Focus: 50/75/100mm, F1.0	Motorized Focus: 75/100mm, F1.0	Motorized Focus: 75/100mm, F1.0
FOV (Thermal)	50mm: 7.7° ×5.8°, 75mm: 5.1° ×3.8°, 100mm: 3.8° ×2.3°	50mm: 8° ×7°, 75mm: 6° ×5°, 100mm: 4.3° ×3.5°	75mm: 5.1° ×3.8°, 100mm: 3.8° ×2.3°	75mm: 6° ×5°, 100mm: 4.3° ×3.5°
Optical Lens/FOV	6~222mm, 37x optical zoom, (4.98~199.3mm, 40x optical zoom optional)	6~222mm, 37x optical zoom, (4.98~199.3mm, 40x optical zoom optional)	12.5~400mm/15.6~500mm/ 12.5~750mm/16.7~1000mm (optional)	12.5~400mm/15.6~500mm/ 12.5~750mm/16.7~1000mm (optional)
Detection Range Fires 1×1m (a) Humans 1.8×0.5m (b) Vehicles 4×1.5m (c)	50mm: 1471(a)/1471(b)/4510(c)m 75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	50mm: 2083(a)/2081(b)/6389(c)m 75mm: 3125(a)/3121(b)/9583(c)m 100mm: 4167(a)/4161(b)/12778(c)m	75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	75mm: 3125(a)/3121(b)/9583(c)m 100mm: 4167(a)/4161(b)/12778(c)m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-40° C ~ 150° C (-40° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)	-40° C ~ 150° C (-40° F ~ 302° F)	-20° C ~ 150° C (-4° F ~ 302° F)
Mesurement Rule	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)	Support 3 temperature measurement rule types (Spot, Line, Area)
Smart Function	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection, fire detection, human detection, vehicle detection and smoking detection & alarm, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Network Interface	1 × RJ-45	1 × RJ-45	1 × RJ-45	1 × RJ-45
Audio In/Out	2/2	2/2	2/2	2/2
Alarm In/Out	9/4	9/4	3/3	3/3
RS485	Support	Support	Support	Support
CVBS Output	2ch	2ch	Support	Support
Power	36 VDC	36 VDC	36 VDC	36 VDC
Working Temperature	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)	-40° C ~ 60° C (-40° F ~ 140° F)
Protection	IP66	IP66	IP66	IP66
Dimensions (L× W×H)	294×420×536 mm	294×420×536 mm	443×730×636 mm	443×730×636 mm

NVR



NVR

Pro Series

- AI cameras, thermal cameras, fisheye and other types of IPC cameras access
- Excellent user interface, easy operation
- Comprehensive HD, powerful, intelligent, stable and reliable
- Meets the professional security surveillance industry requirements



4/8 HDD Slot



4K Display



RAID



Spot Monitor



Real-time Comparison



Smart Event Alarm



Alarm Classification Retrieval



Database



People Counting



Attendance Management



Temperature Graph Display



Picture Grid

Pro Series

	4HDD/8HDD NVR					
Model	SN-NVR3932E4-P16-J	SN-NVR3932E4-J	SN-NVR3964E4-P16-J	SN-NVR3964E4-J	SN-NVR3964E8-P16-J	SN-NVR3964E8-J
Appearance						
Video Input	32 channels	32 channels	64 channels	64 channels	64 channels	64 channels
Incoming/Outgoing Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps	384Mbps/384Mbps
Max. Decoding	1ch 12MP, 4ch 4MP, 9ch 1080P	1ch 12MP, 4ch 4MP, 9ch 1080P	1ch 12MP, 4ch 4K, 16ch 1080P	1ch 12MP, 4ch 4K, 16ch 1080P	1ch 12MP, 4ch 4K, 16ch 1080P	1ch 12MP, 4ch 4K, 16ch 1080P
Video Output	2 HDMI, 1 VGA	2 HDMI, 1 VGA	2 HDMI, 1 VGA	2 HDMI, 1 VGA	2 HDMI, 1 VGA	2 HDMI, 1 VGA
Max. HDD	4×12TB	4×12TB	4×12TB	4×12TB	8×12TB	8×12TB
RAID	RAID5, RAID6, RAID10	RAID5, RAID6, RAID10	RAID5, RAID6, RAID10	RAID5, RAID6, RAID10	RAID5, RAID6, RAID10	RAID5, RAID6, RAID10
eSATA	1 eSATA Port	1 eSATA Port	1 eSATA Port	1 eSATA Port	1 eSATA Port	1 eSATA Port
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	6/2	16/4	16/6	16/6	16/6	16/6
Network Interface	2×1000M Ports	2×1000M Ports	2×1000M Ports	2×1000M Ports	2×1000M Ports	2×1000M Ports
PoE Port	16 Ports (IEEE802.3at/af), Max 140W	-	16 Ports (IEEE802.3at/af), Max 140W	-	16 Ports (IEEE802.3at/af), Max 140W	-
USB Port	2×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 2×USB3.0	2×USB 2.0, 2×USB3.0	2×USB 2.0, 2×USB3.0	2×USB 2.0, 2×USB3.0
Power	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)
Smart Function	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison

NVR

Eco Series

- Supports 4K camera access, storage and playback
- Multiple intelligent analysis of different alarm types and linkage strategies
- Meets the professional security surveillance industry requirements



1/2 HDD Slot



4K Display



S.M.A.R.T



Spot Monitor



Abnormal Alarm



Smart Event Alarm



Alarm Classification Retrieval



PoE Status



Disk Group



Record Backup



Picture Grid



Attendance Management



Eco Series

	1HDD/2HDD PoE NVR			
Model	SN-NVR3804E1-P4-J(III)	SN-NVR3808E1-P8-J(III)	SN-NVR3808E2-P8-J(III)	SN-NVR3816E2-P16-J(III)
Appearance	 	 	 	 
Video Input	4 channels	8 channels	8 channels	16 channels
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	56Mbps/56Mbps	56Mbps/56Mbps	112Mbps/112Mbps
Max. Decoding	1ch 12MP, 4ch 4MP	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P
Video Output	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Max. HDD	1×12TB	1×12TB	2×12TB	2×12TB
RAID	-	-	-	-
eSATA	-	-	-	-
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	4/1	8/1	8/1	8/2
Network Interface	1×100M Ports	1×1000M Ports	1×1000M Ports	1×1000M Ports
PoE Port	4 Ports (IEEE802.3af), Max 32W	8 Ports (IEEE802.3af)	8 Ports (IEEE802.3at/af), Max 64W	16 Ports (IEEE802.3at/af), Max 128W
USB Port	3×USB 2.0	3×USB 2.0	3×USB 2.0	3×USB 2.0
Power	DC48V/1.25A ≤ 15W (Without HDD)	DC48V/2A ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)	AC100V ~ 240V ≤ 15W (Without HDD)
Smart Function	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison

Eco Series

	1HDD/2HDD NVR			
Model	SN-NVR3804E1-J(III)	SN-NVR3808E1-J(III)	SN-NVR3816E2-J(III)	SN-NVR3832E2(III)
Appearance	 	 	 	 
Video Input	4 channels	8 channels	16 channels	32 channels
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	56Mbps/56Mbps	112Mbps/112Mbps	160Mbps/80Mbps
Max. Decoding	1ch 12MP, 4ch 4MP	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P
Video Output	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Max. HDD	1×8TB	1×8TB	2×8TB	2×8TB
RAID	-	-	-	-
eSATA	-	-	-	-
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	4/1	4/1	8/1	8/1
Network Interface	2×100M Ports	2×100M Ports	2×1000M Ports	2×1000M Ports
PoE Port	-	-	-	-
USB Port	2×USB 2.0	2×USB 2.0	2×USB 2.0	2×USB 2.0
Power	DC12V/3A ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)
Smart Function	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	Deep learning based video analytics for false alarm reduction, face recognition and face picture comparison	-

Lite Series

	1HDD PoE NVR	
Model	SN-NVR3704E1-P4	SN-NVR3708E1-P8
Appearance	 	 
Video Input	4 channels	8 channels
Incoming/Outgoing Bandwidth	20Mbps/20Mbps	40Mbps/40Mbps
Max. Decoding	1ch 8MP, 4ch 1080P	1ch 12MP, 4ch 1080P, 8ch D1
Video Output	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Max. HDD	1×8TB	1×8TB
RAID	-	-
eSATA	-	-
Audio In/Out	-/1	-/1
Alarm In/Out	-/-	-/-
Network Interface	1×100M Ports	1×100M Ports
PoE Port	4 Ports (IEEE802.3af), Max 24W	8 Ports (IEEE802.3af), Max 40W
USB Port	3×USB 2.0	3×USB 2.0
Power	DC48V/1.25A ≤ 15W (Without HDD)	DC48V/1.25A ≤ 15W (Without HDD)
Smart Function	-	-



HDVI



HDVI

E Series

- 2MP~8MP
- Video outputs: AHD/TVI/CVI/CVBS
- Excellent picture quality, rich product types, can be more selective



2MP~8MP



Full Color



Day & Night



Starlight



PAL/NTSC



WDR



2D/3D DNR



OSD



Multiple Video
Format Output



AWB









BLC



IP67

Eco Series

	Bullet Camera					
Model	SN-B1328BY-R-CB	SN-B1325BY-R-CB	SN-B1322BY-R-EB	SN-B1328BZ-R-CZ	SN-B1325BZ-R-CZ	SN-B1322BZ-R-EZ
Appearance						
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	3.6mm/F2.0	3.6mm/F2.0	3.6mm/F2.0	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 84.4°, V: 45.5°	H: 78.6°, V: 57.7°	H: 82.9°, V: 46.6°	H: 100°~30.5°, V: 53.6°~17.1°	H: 100.8°~32°, V: 74°~24.5°	H: 94.9°~37.1°, V: 50.2°~20.8°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.001Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)
WDR	WDR	WDR	WDR	WDR	WDR	WDR
Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
IR Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840×2160	2560×1944	1920×1080	3840×2160	2560×1944	1920×1080
Max. Frame Rate	8MP@15fps	5MP@20fps	1080P@25/30fps	8MP@15fps	5MP@20fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Support	Support	Support	Support	Support	Support
OSD Joystick	Support	Support	Support	Support	Support	Support
Protection	IP67	IP67	IP67	IP67	IP67	IP67
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Dimensions	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm	232 × 80 × 80 mm	232 × 80 × 80 mm	232 × 80 × 80 mm

Eco Series

	Dome Camera					
Model	SN-D1328EF-R-CB	SN-D1325EF-R-CB	SN-D1322EF-R-EB	SN-D1328EE-R-CZ	SN-D1325EE-R-CZ	SN-D1322EE-R-EZ
Appearance						
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	3.6mm/F2.0	3.6mm/F2.0	3.6mm/F2.0	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 84.4°, V: 45.5°	H: 78.6°, V: 57.7°	H: 82.9°, V: 46.6°	H: 100°~30.5°, V: 53.6°~17.1°	H: 100.8°~32°, V: 74°~24.5°	H: 94.9°~37.1°, V: 50.2°~20.8°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.001Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)
WDR	WDR	WDR	WDR	WDR	WDR	WDR
Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
IR Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)
Max. Resolution	3840×2160	2560×1944	1920×1080	3840×2160	2560×1944	1920×1080
Max. Frame Rate	8MP@15fps	5MP@20fps	1080P@25/30fps	8MP@15fps	5MP@20fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Support	Support	Support	Support	Support	Support
OSD Joystick	Support	Support	Support	Support	Support	Support
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Dimensions	Φ110×85.4mm	Φ110×85.4mm	Φ110×85.4mm	Φ130×112mm	Φ130×112mm	Φ130×112mm

Eco Series

	Turret Camera		
Model	SN-E1328HZ-R-CB	SN-E1325HZ-R-CB	SN-E1322HZ-R-EB
Appearance			
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Lens	3.6mm/F2.0	3.6mm/F2.0	3.6mm/F2.0
FOV	H: 84.4°, V: 45.5°	H: 78.6°, V: 57.7°	H: 82.9°, V: 46.6°
Day/Night	ICR	ICR	ICR
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)
WDR	WDR	WDR	WDR
Noise Reduction	3D DNR	3D DNR	3D DNR
IR Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)
Max. Resolution	3840×2160	2560×1944	1920×1080
Max. Frame Rate	8MP@15fps	5MP@20fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Support	Support	Support
OSD Joystick	Support	Support	Support
Protection	IP66	IP66	IP66
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V
Dimensions	Φ111 × 95mm	Φ111 × 95mm	Φ111 × 95mm

HDVI

Lite Series

- 2MP ~ 8MP
- Video outputs: AHD/TVI/CVI/CVBS



2MP~8MP



Day&Night



IR Night
Version



Low-light



PAL/NTSC



D-WDR

DWDR



DNR

DNR



BLC

BLC



AWB

AWB



-10° C~55° C






IP66



Full Color

Lite Series

	Full-color Camera			
Model	SN-B1318HA-B-CB	SN-B1312HA-W-BB	SN-E1318HZ-B-CB	SN-E1312HZ-W-BB
Appearance				
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	3.6mm/F1.0	3.6mm/F1.0	3.6mm/F1.0	3.6mm/F1.0
FOV	H: 76.8°, V: 41.5°	H: 80.5°, V: 40.8°	H: 76.8°, V: 41.5°	H: 80.5°, V: 40.8°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.05 Lux @ (F1.2, AGC ON), B/W: 0Lux with illumination on	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0Lux with illumination on	Color: 0.05 Lux @ (F1.2, AGC ON), B/W: 0Lux with illumination on	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux with illumination on
WDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D DNR	2D DNR	2D DNR	2D DNR
Illumination Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)
Max. Resolution	3840×2160	1920×1080	3840×2160	1920×1080
Max. Frame Rate	8MP@15fps	1080P@25/30fps	8MP@15fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Support	Support	Support	Support
OSD Joystick	Support	Support	Support	Support
Protection	IP66	IP66	IP66	IP66
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V	DC12V
Dimensions	183.4 × 65.2 × 58.5mm	183.4 × 65.2 × 58.5mm	Φ111 × 95mm	Φ111 × 95mm

Lite Series

	Bullet Camera					
Model	SN-B1318CW-R-CB	SN-B1312CW-R-CB	SN-B1318HA-R-CB	SN-B1312HA-R-CB	SN-E1318DV-R-CM	SN-E1312DV-R-CM
Appearance						
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	3.6mm	3.6mm	3.6mm	3.6mm	2.8~12mm manual lens	2.8~12mm manual lens
FOV	H: 74.3°, V: 40.9°	H: 75.6°, V: 41.6°	H: 74.3°, V: 40.9°	H: 75.6°, V: 41.6°	H: 91.3°~29.0°, V: 48.2°~16.3°	H: 98.4°~26.4°, V: 52.7°~14.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D DNR	2D DNR	2D DNR	2D DNR	2D DNR	2D DNR
Illumination Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 45m (147.6 ft)	Up to 45m (147.6 ft)
Max. Resolution	3840×2160	1920×1080	3840×2160	1920×1080	3840×2160	1920×1080
Max. Frame Rate	8MP@15fps	1080P@25/30fps	8MP@15fps	1080P@25/30fps	8MP@15fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Optional	-	Optional	-	Optional	-
OSD Joystick	Support	Support	Support	Support	Support	Support
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Dimensions	162 × 58mm	162 × 58mm	183.4 × 65.2 × 58.5mm	183.4 × 65.2 × 58.5mm	φ78.9×232.77mm	φ78.9×232.77mm

Lite Series

	Turret Camera					
Model	SN-E1318HS-R-CB	SN-E1312HS-R-CB	SN-E1318HZ-R-CB	SN-E1312HZ-R-CB	SN-E1318BH-R-CM	SN-E1312BH-R-CM
Appearance						
Image Sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	3.6mm	3.6mm	3.6mm	3.6mm	2.8~12mm manual lens	2.8~12mm manual lens
FOV	H: 74.3°, V: 40.9°	H: 75.6°, V: 41.6°	H: 74.3°, V: 40.9°	H: 75.6°, V: 41.6°	H: 91.3°~29.0°, V: 48.2°~16.3°	H: 98.4°~26.4°, V: 52.7°~14.9°
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)	Color: 0.02 Lux @ (F1.2, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON), B/W: 0Lux@(IR LED ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Noise Reduction	2D DNR	2D DNR	2D DNR	2D DNR	2D DNR	2D DNR
Illumination Distance	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 20m (65.6 ft)	Up to 35m (114.8 ft)	Up to 35m (114.8 ft)
Max. Resolution	3840×2160	1920×1080	3840×2160	1920×1080	3840×2160	1920×1080
Max. Frame Rate	8MP@15fps	1080P@25/30fps	8MP@15fps	1080P@25/30fps	8MP@15fps	1080P@25/30fps
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Up the Coax	Optional	-	Optional	-	Optional	-
OSD Joystick	Support	Support	Support	Support	Support	Support
Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)	-10° C~55° C (14° F~131° F)
Power	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
Dimensions	φ87.6 × 62.3mm	φ87.6 × 62.3mm	Φ111 × 95mm	Φ111 × 95mm	φ120 × 96mm	φ120 × 96mm

HDVI

Hybrid DVR/XVR

- Eco/Lite/XVR Series
- Video Input: AHD/TVI/CVI/CVBS/IP
- XVR IVS: Intrusion Detection (Supports accurate human and vehicle detection)



4K Input



4K Display



Multi Channel
Playback



Dual-stream
Recording



QR Code



5 in 1



Audio In/out



Alarm In/Out







Digital Video Recorder

	1080P Series			4K-N/5MP Series		
Model	SN-ADR3704E1	SN-ADR3708E1	SN-ADR3716E1	SN-XVR3804E1	SN-XVR3808E2	SN-XVR3816E2
Appearance						
Analog Camera Input	4ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	16ch, 1.0Vp-p, 75Ω	4ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	16ch, 1.0Vp-p, 75Ω
IP Camera Input	4ch+2ch (Up to 1080P)	8ch+2ch (Up to 1080P)	4ch (Up to 1080P)	4+2ch (Up to 4MP)	8+4ch (Up to 1080P)	16+8ch (Up to 1080P)
Video Standard	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)
Encoding Resolution	5MP-N, 4MP-N, 1080P, 720P	1080P, 720P	1080P, 720P	8MP, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P
Encoding Capability	5MP-N@10fps, 4MP-N@15fps, 1080P@15fps, 720P@30fps	1080P@7fps, 720P@15fps	1080P@7fps, 720P@15fps	4K@7fps, 5MP@12fps, 4MP@15fps, 1080P@30fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps
Max HDD	1×4TB	1×4TB	1×4TB	1×8TB	2×8TB	2×8TB
Record Type	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer
Playback	4/1	4/1	16/9/4/1	4/1	9/4/1	16/9/4/1
Network Interface	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M/1000M	2 RJ45 10M/100M/1000M
Video Output	HDMI(1920x1080), VGA(1920x1080)	HDMI(1920x1080), VGA(1920x1080)	HDMI(1920x1080), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)
Audio In/Out	1/1	1/1	2/1	4/1	4/1	8/1
Alarm In/Out	-/-	-/-	-/-	4/1	8/1	8/1
USB Port	3 USB 2.0	3 USB 2.0	3 USB 2.0	3 USB 2.0	3 USB 2.0	2 USB 2.0, 1 USB 3.0
Power	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/3A	DC12V/3A	DC12V/3A
Dimensions	255 × 225 × 45 mm	255 × 225 × 45 mm	255 × 244 × 45 mm	255 × 241 × 48 mm	372 × 318 × 46 mm	372 × 318 × 46 mm

Digital Video Recorder

	4K-N/5MP Series				
Model	SN-ADR3804E1	SN-ADR3808E1	SN-ADR3816E1	SN-ADR3808E2	SN-ADR3816E2
Appearance					
Analog Camera Input	4ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	16ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	16ch, 1.0Vp-p, 75Ω
IP Camera Input	4ch+2ch (Up to 1080P)	8ch+4ch (Up to 5MP)	16ch+8ch (Up to 5MP)	8ch+4ch (Up to 5MP)	16ch+8ch (Up to 5MP)
Video Standard	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)
Encoding Resolution	4K-N, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P	4K-N, 5MP, 4MP, 1080P, 720P
Encoding Capability	4K-N@7fps, 5MP@6fps, 4MP@7fps, 1080P@15fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps	4K-N@8fps, 5MP@7fps, 4MP@8fps, 1080P@15fps, 720P@30fps
Max HDD	1×8TB	1×8TB	1×8TB	2×8TB	2×8TB
Record Type	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer
Playback	4/1	9/4/1	16/8/4/1	9/4/1	16/8/4/1
Network Interface	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M
Video Output	HDMI (3840x2160), VGA(1920x1080), CVBS	HDMI (3840x2160), VGA(1920x1080), CVBS	HDMI (3840x2160), VGA(1920x1080), CVBS	HDMI (3840x2160), VGA(1920x1080), CVBS	HDMI (3840x2160), VGA(1920x1080), CVBS
Audio In/Out	1/1	1/1	2/1	1/1	6/1
Alarm In/Out	-/-	-/-	-/-	-/-	4/1
USB Port	3 USB 2.0	3 USB 2.0	3 USB 2.0	3 USB 2.0	3 USB 2.0
Power	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/4A	DC12V/4A
Dimensions	255 × 225 × 45 mm	255 × 225 × 45 mm	255 × 244 × 45 mm	350 × 305 × 50 mm	350 × 305 × 50 mm

Digital Video Recorder

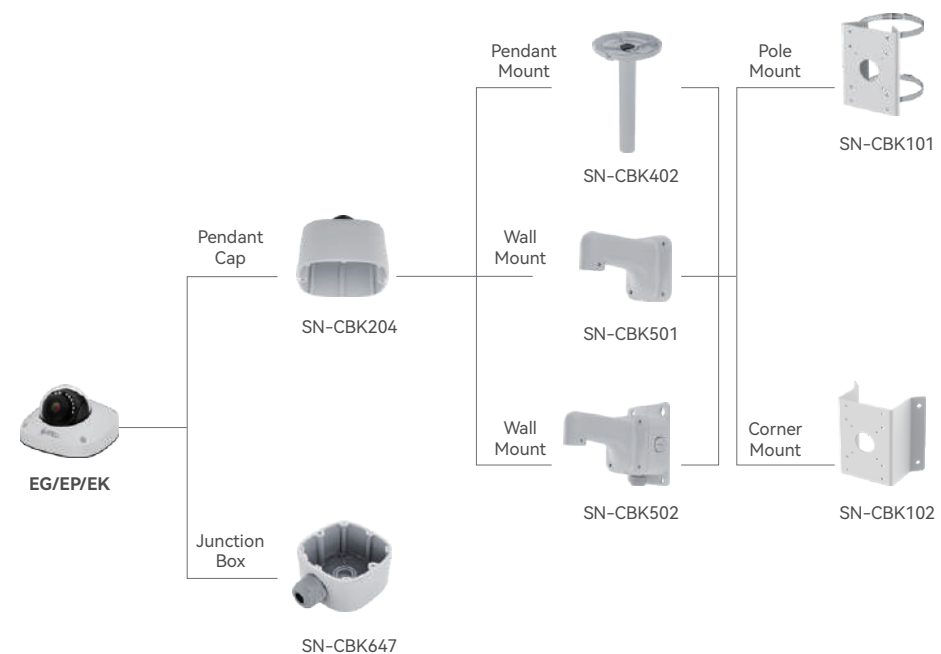
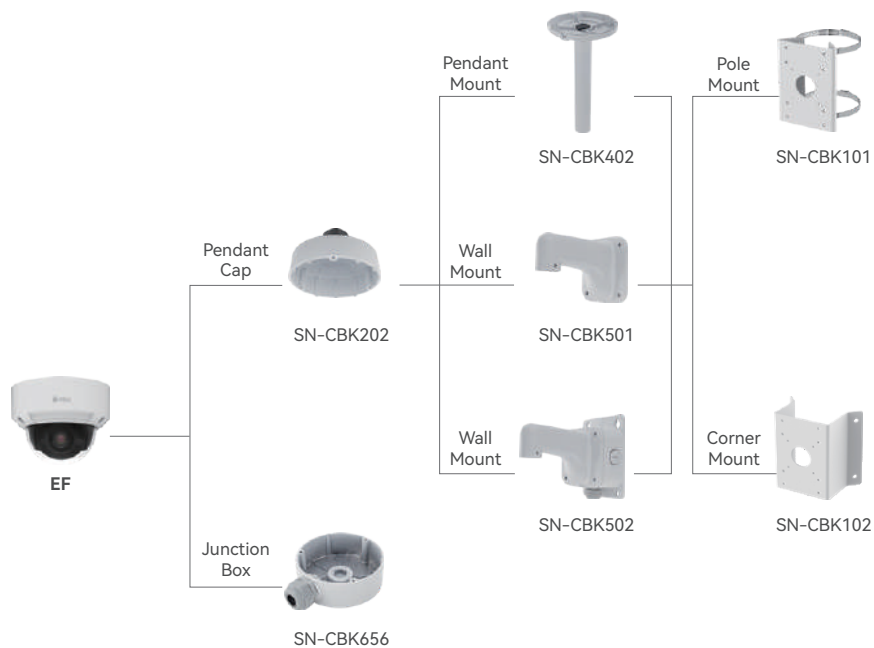
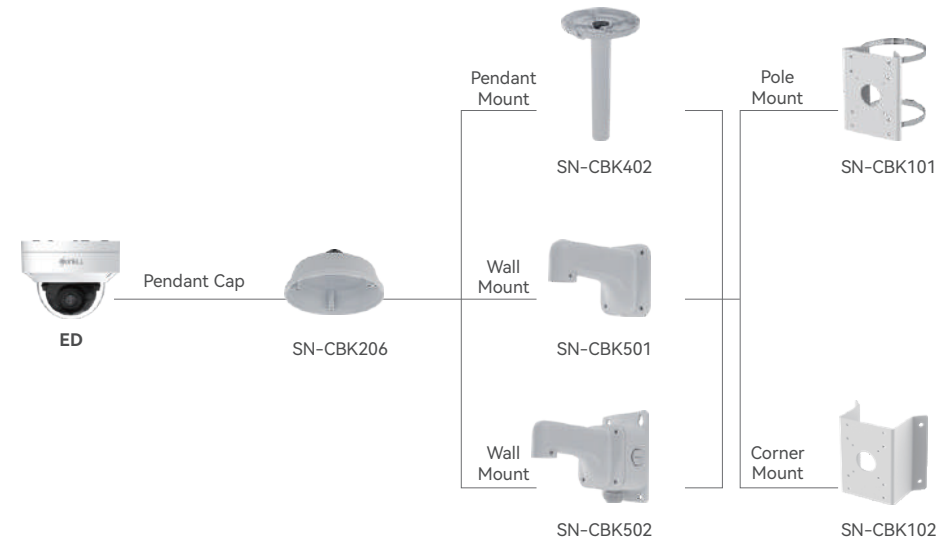
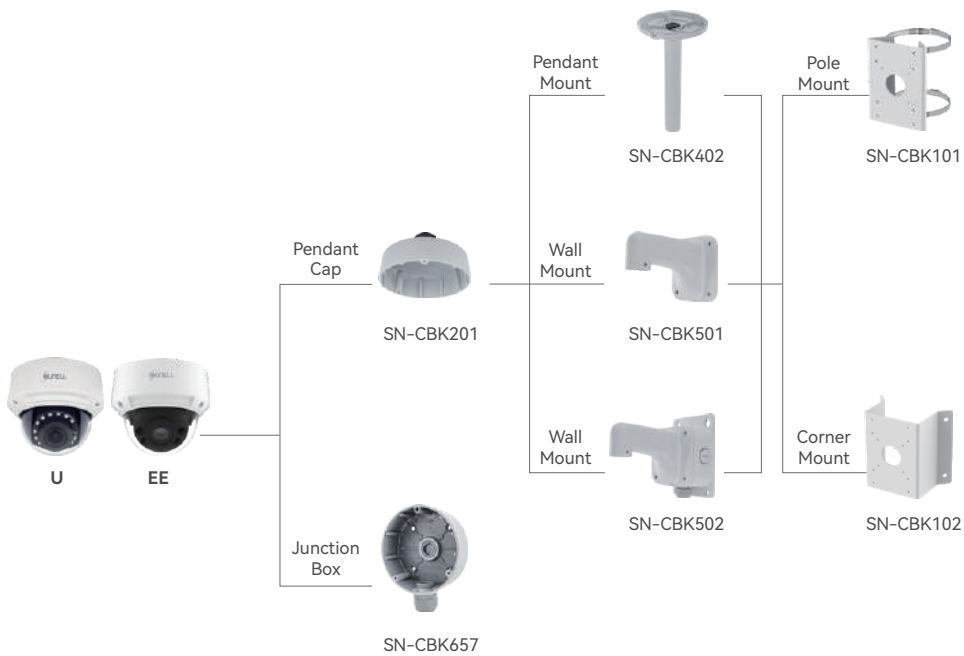
	4K Series			
Model	SN-ADR3904E1	SN-ADR3908E1	SN-ADR3908E2	SN-ADR3916E2
Appearance	 	 	 	 
Analog Camera Input	4ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	8ch, 1.0Vp-p, 75Ω	16ch, 1.0Vp-p, 75Ω
IP Camera Input	4ch+2ch (Up to 5MP)	8ch+4ch (Up to 5MP)	8ch+4ch (Up to 5MP)	16ch+8ch (Up to 1080P)
Video Standard	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)	AHD/TVI/CVI/CVBS/IP (Auto-detect)
Encoding Resolution	4K, 5MP, 4MP, 1080P, 720P	4K, 5MP, 4MP, 1080P, 720P	4K, 5MP, 4MP, 1080P, 720P	4K, 5MP, 4MP, 1080P, 720P
Encoding Capability	4K@7fps, 5MP@12fps, 4MP@15fps, 1080P@30fps, 720P@30fps	4K@7fps, 5MP@12fps, 4MP@15fps, 1080P@30fps, 720P@30fps	4K@7fps, 5MP@12fps, 4MP@15fps, 1080P@30fps, 720P@30fps	4K@7fps, 5MP@12fps, 4MP@15fps, 1080P@30fps, 720P@30fps
Max HDD	1×8TB	1×8TB	2×8TB	2×8TB
Record Type	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer	Manual/Event/Timer
Playback	4/1	9/4/1	9/4/1	16/8/4/1
Network Interface	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M	1 RJ45 10M/100M/1000M
Video Output	HDMI (3840x2160), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)	HDMI (3840x2160), VGA(1920x1080)
Audio In/Out	1/1	4/1	8/1	4/1
Alarm In/Out	-/-	-/-	4/1	8/1
USB Port	3 USB 2.0	3 USB 2.0	3 USB 2.0	3 USB 2.0
Power	DC12V/2A	DC12V/2A	DC12V/4A	DC12V/4A
Dimensions	255 × 225 × 45 mm	255 × 244 × 45 mm	350 × 305 × 50 mm	350 × 305 × 50 mm



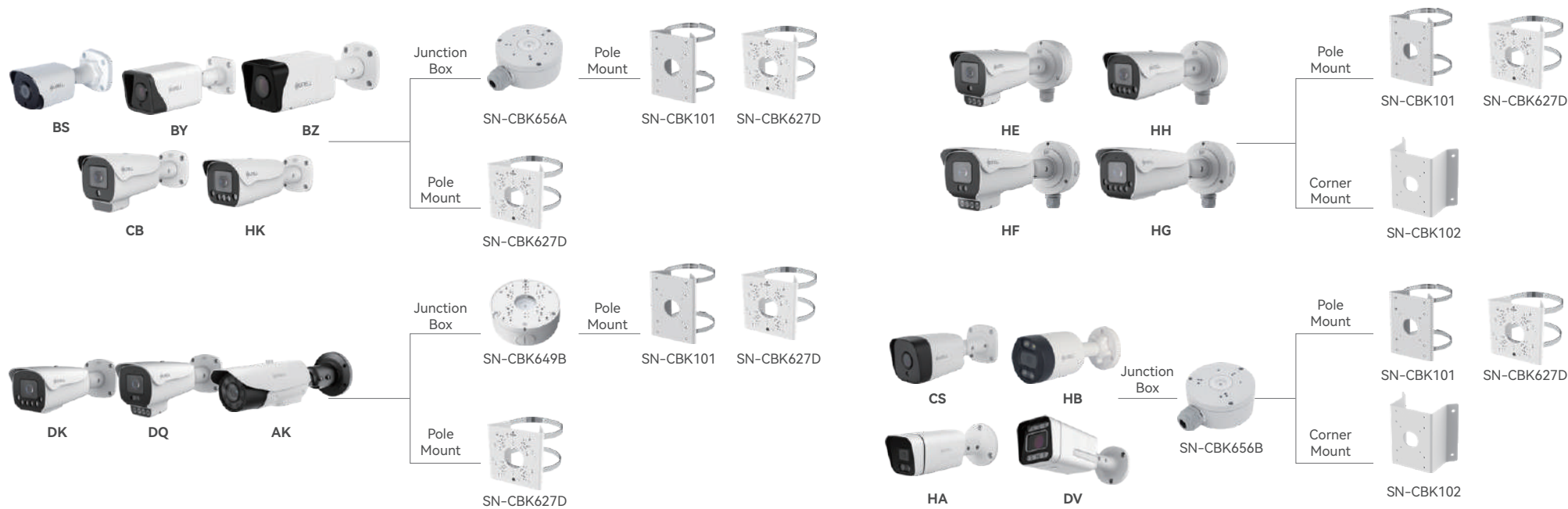
ACCESSORIES



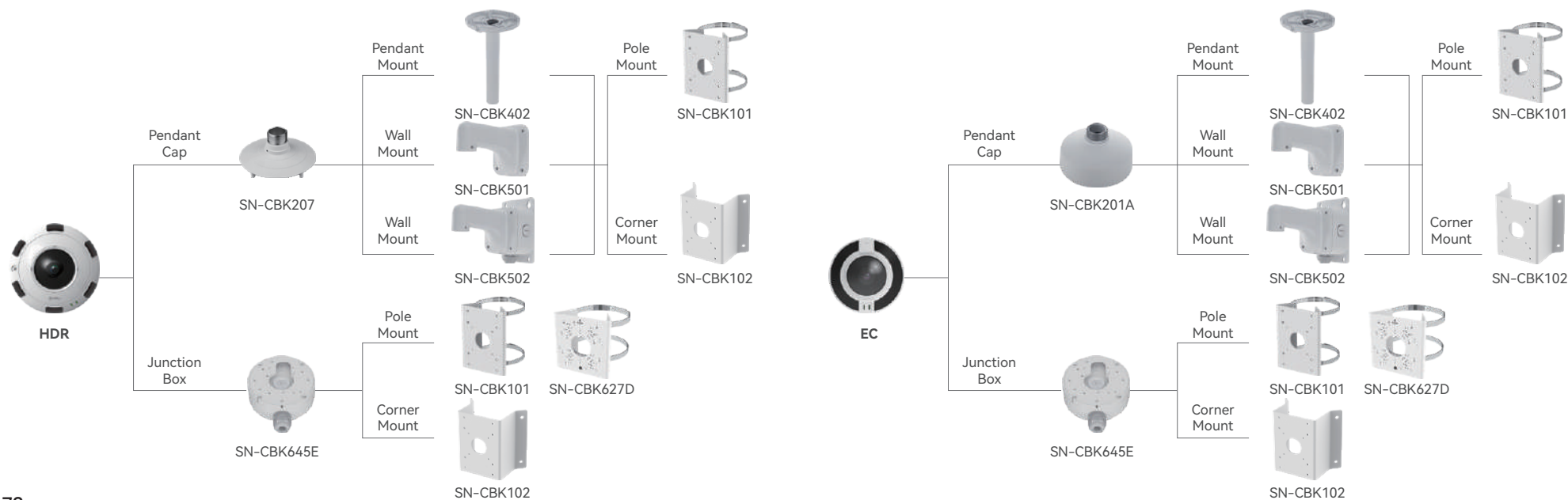
Dome Camera Mount



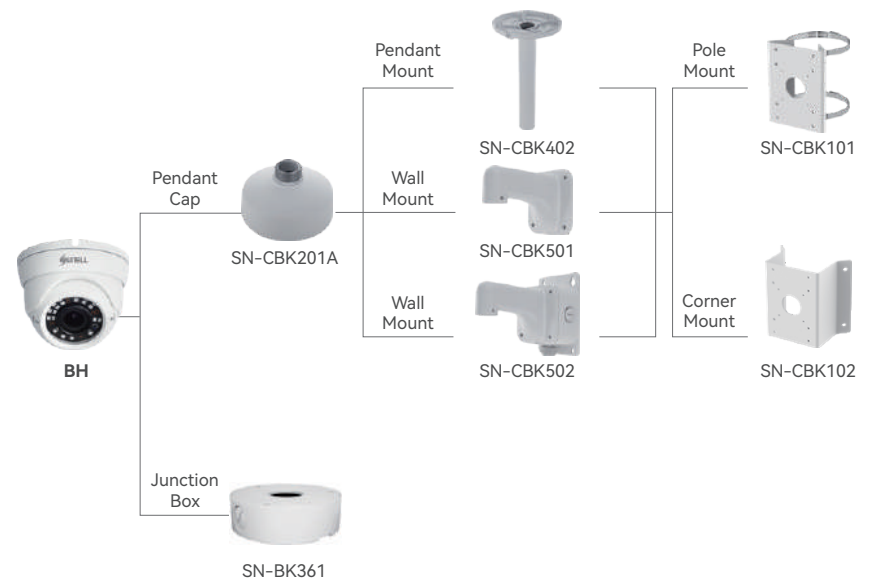
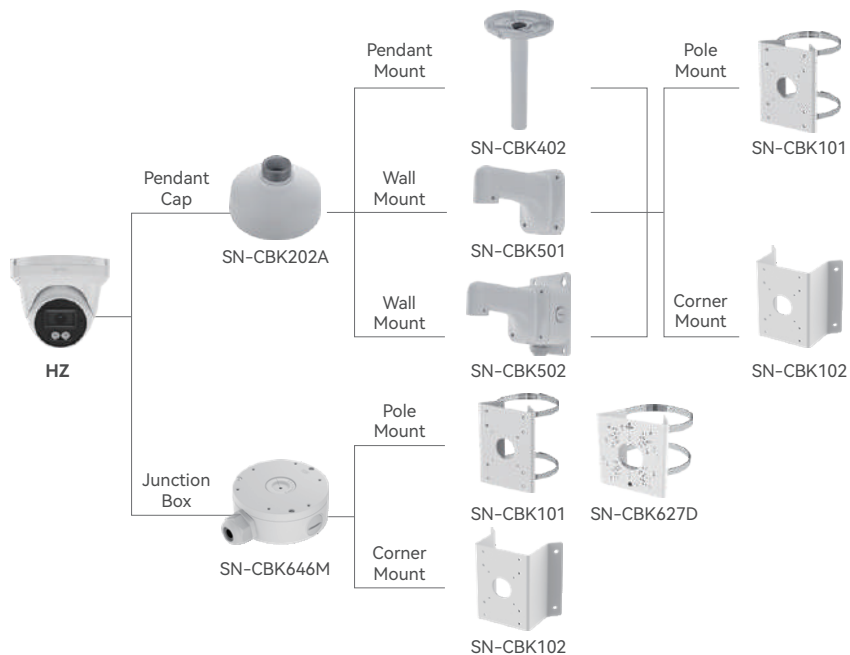
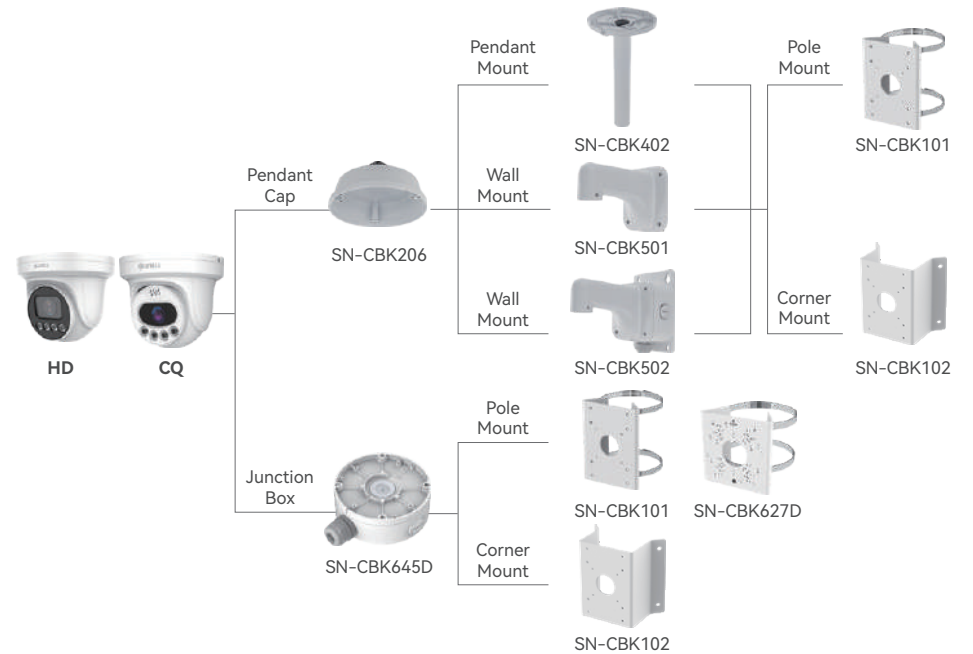
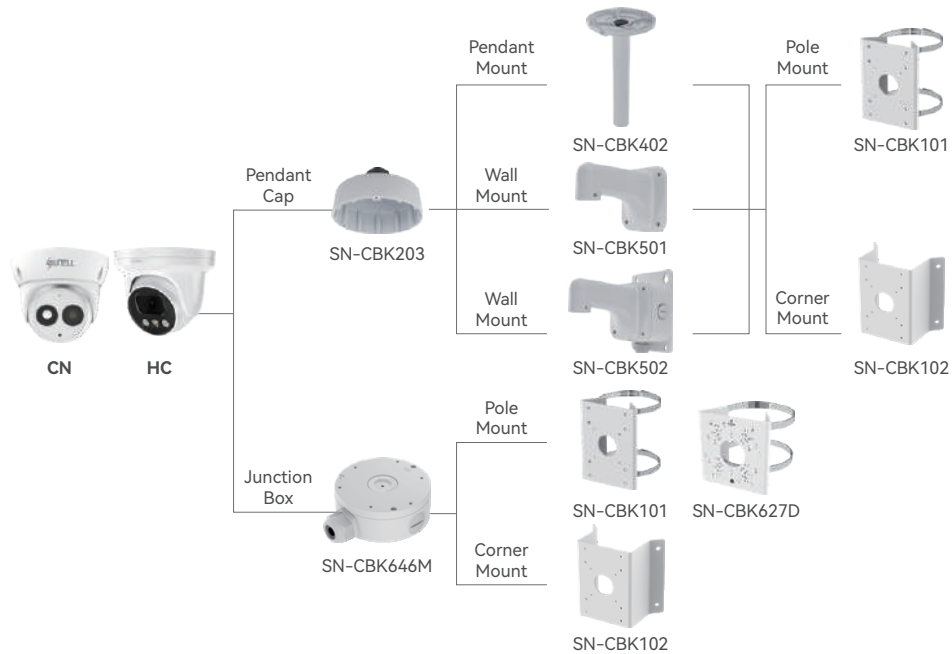
Bullet Camera Mount



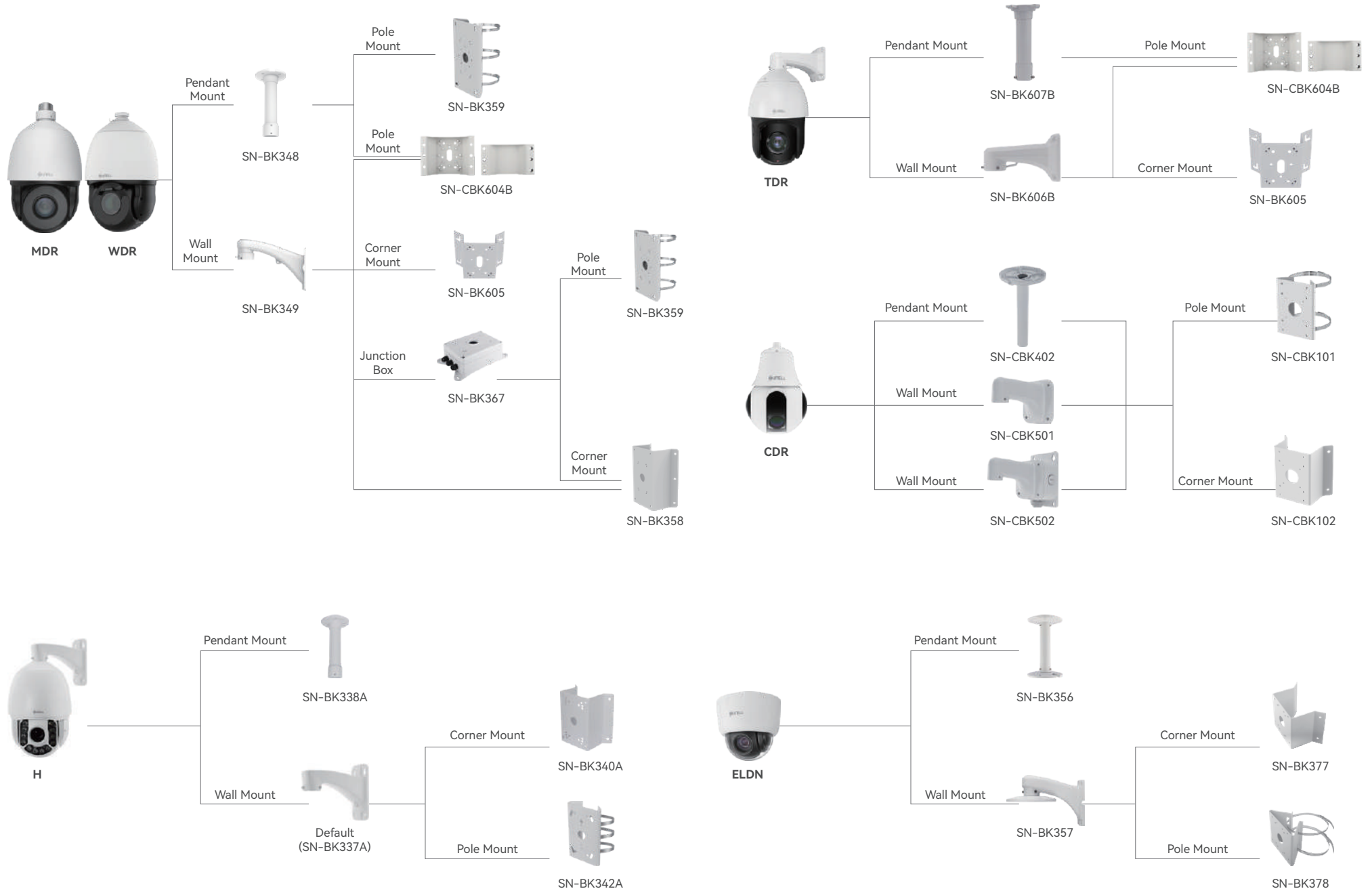
Fisheye Camera Mount



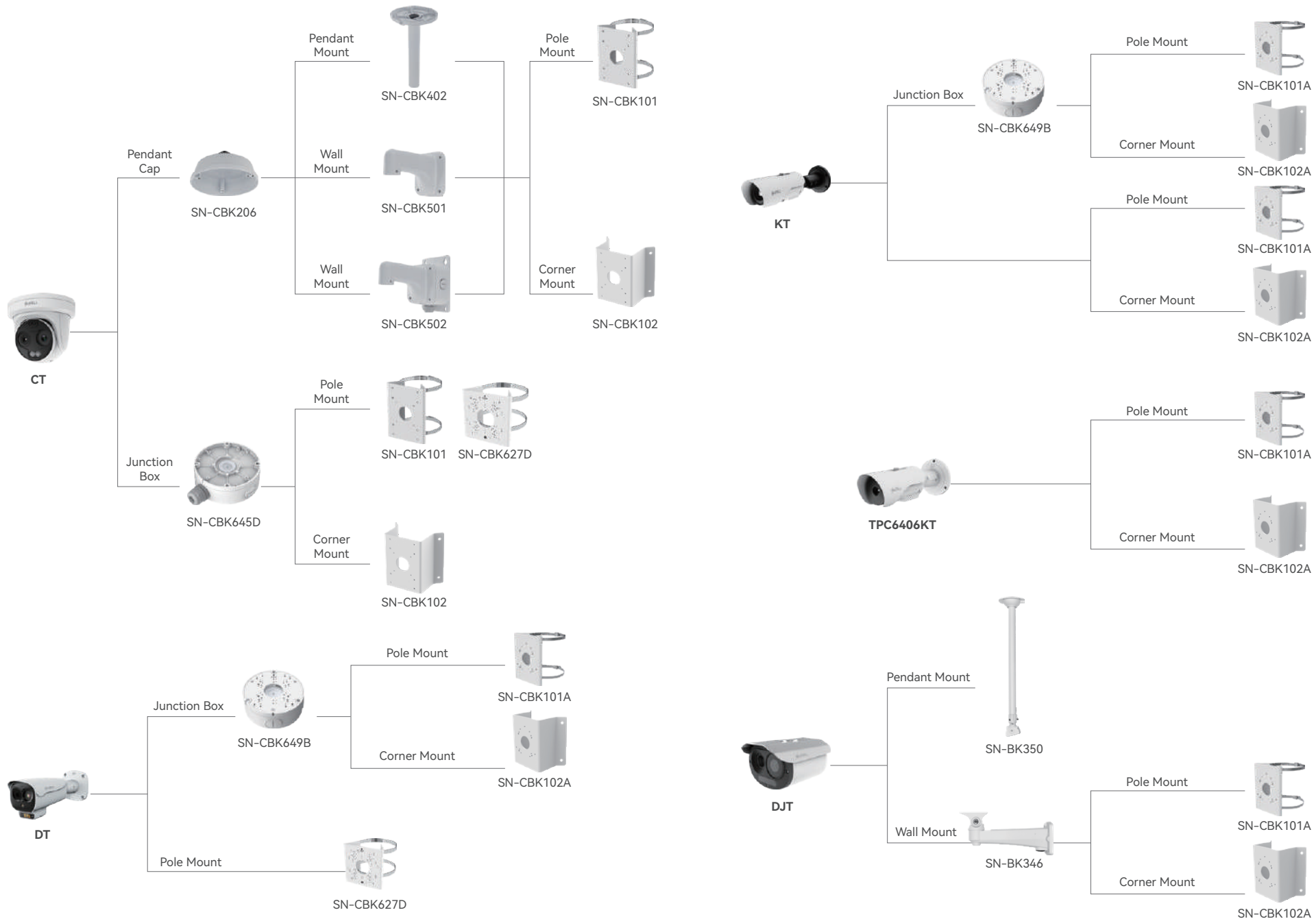
Turret Camera Mount



PTZ Camera Mount



Thermal Camera Mount





Shenzhen Sunell Technology Corporation

22-23F, Building 2, Chongwen Park, Nanshan Zhiyuan (Phase 3),
No. 3370 Liuxian Avenue, Nanshan District, Shenzhen 518052

 +86(755) 2675 4336

 +86(755) 8602 6152

 sales@sunellsecurity.com

Copyright © Shenzhen Sunell Technology Corporation 2023. All rights reserved.

The specifications and descriptions of products and services contained in this catalogue were correct at the time of publishing. Inner Range reserves the right to change specifications or withdraw products without notice.

www.sunellsecurity.com