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Prodotti per Videosorveglianza

Selection Guide 2024

Ver. 1.0

SUNELLITALIA
Stark Solution

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CHI SIAMO SUNELL ITALIA

200+
Ingegneri R&D

110+
Prodotti venduti in 113 paesi e regioni

Sunell Italia è stata costituita nel 2019 grazie a un **team di esperti** pluridecennali nel **settore security** e alla volontà di **Sunell Technology Corporation** di essere uno dei punti di riferimento in Italia per la **videosorveglianza** e l'alta tecnologia di **sicurezza**.

Per Sunell, l'Italia è il punto di riferimento europeo per lo sviluppo dei prodotti futuri.

La sede di **Catania** ospita gli uffici tecnici, R&D e commerciali. Con oltre **10.000 mq** coperti e il magazzino automatico, la sede e il personale di Catania garantiscono la consegna entro **48 ore**, in Italia e in Europa.

Sunell risponde alle **esigenze di sicurezza** dei cittadini con i suoi prodotti pensati per i settori:

- Governativi
- Pubblica amministrazione
- Automotive
- Assicurativo
- Industriale
- Bancario

Grazie e un'esperienza ultraventennale, Sunell Italia offre soluzioni di **System Integrator**, **videosorveglianza**, **controllo degli accessi**, **videocitofonia digitale** e **sicurezza antintrusione**. Le soluzioni rispondono sempre alla **qualità tecnologica** integrandola a **prodotti ideali** sia per gli installatori che per gli utenti finali.

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 Cameras				
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: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	H: 101°~28°, V: 54°~16°	H: 98.1° ~ 30.9°, V: 52.6° ~ 17.3°	H: 88.1° ~ 26.6° , V: 64.4° ~ 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 Cameras				Active Deterrence Bullet Cameras	
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" 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: 93.8° , V: 68.2°	H: 94.4° , V: 53.5°	H: 103.2°, V: 54°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	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	≣118 × 94mm	≣118 × 94mm	≣118 × 94mm	≣118 × 94mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC SmartVu Series

	Active Deterrence Turret Cameras			
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: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	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	≡140 x 119.2mm	≡140 x 119.2mm	≡140 x 119.2mm	≡140 x 119.2mm

NETWORK CAMERAS

Ultra Series

- 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

	Multi-Sensor Cameras		Fisheye Cameras	
Model	SN-IPP8058RAR-Z	SN-IPP8085QAS-B	SN-IPV8088ECAR-B	SN-IPV8060ECAR-B
Appearance	COMING SOON			
Image sensor	Four 1/2.8" STARVIS™ CMOS	Dual 1/2.8" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/2.8" STARVIS ™ CMOS
Lens	2.7 to 13.5 mm	2.8 mm/F1.6	1.8 mm/F2.4	1.5 mm/F2.0
FOV-H	H: 95.6° to 26.9°, V: 65.4° to 20.5°	H: 180°, V: 63°	H: 180°, V: 180°	H: 180°, V: 180°
Day and Night	ICR	Fixed filter	ICR	ICR
Min. Illumination(lux)	Color: 0.005Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F2.4, AGC ON), B/W: 0.001Lux @(F2.4, AGC ON), 0Lux with IR	Color: 0.01Lux @(F2.0, AGC ON), B/W: 0.001Lux @(F2.0, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	DWDR	True WDR
Illumination Distance	Up to 30 m (98.4ft)	IR distance up to 30 m (98.4ft) Warm light distance up to 20 m (65.6ft)	Up to 15 m (49.2ft)	Up to 15 m (49.2ft)
Max. Resolution	2592 × 1944 (5MP)	4608 × 1728 (8MP)	4000 × 3000 (12MP)	2560 × 2560 (6MP)
Frames Per Second	25/30fps @5MP	15fps @8MP	25fps @12MP	25/30fps @6MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting and Heat map (Panoramic mode)			
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic and Speaker	1/1, Built-in Mic	1/1, Built-in Mic
Alarm In/Out	4/2	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 1TB	Micro SD, Max. 256GB	Micro SD, Max. 1TB	Micro SD, Max. 1TB
Ingress Protection	IP67, IK10	IP66	IP66	IP66
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C to 60°C (-22°F to140°F)	-30°C to 60°C (-22°F to140°F)	-30°C to 60°C (-22°F to140°F)
Power	12 VDC/PoE+ (802.3at)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	-	227.7 × 110 × 80 mm	Ξ130 × 38.3 mm	Ξ130 × 38.3 mm

IPC Ultra Series

	12MP Cameras		
Model	SN-IPR8090AKAN-PZ	SN-IPR8090DQAN-Z	SN-IPC8090HAN-F
Appearance			
Image sensor	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS
Lens	4.1 to 12.8 mm/F1.53	4.1 to 12.8 mm/F1.53	CS-Mount Lens
FOV-H	H: 106.2° to 33.6°, V: 78.8° to 25.4°	H: 106.2° to 33.6°, V: 78.8° to 25.4°	-
Day and Night	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.001Lux @(F1.2, AGC ON), B/W: 0Lux with IR on	Color: 0.001Lux @(F1.2, AGC ON), B/W: 0Lux with IR on	Color: 0.001Lux @(F1.2, AGC ON), B/W: 0.0001Lux @(F1.2, AGC ON)
WDR	True WDR	True WDR	True WDR
IR Distance	Up to 60 m (196.9ft)	Up to 60 m (196.9ft)	-
Max. Resolution	4000 × 3000 (12MP)	4000 × 3000 (12MP)	4000 × 3000 (12MP)
Frames Per Second	25fps @12MP	25fps @12MP	25fps @12MP
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, Built-in Mic and Speaker	1/1, Built-in Mic
Alarm In/Out	1/1	1/1	1/1
Memory Slot	Micro SD, Max. 1TB	Micro SD, Max. 1TB	Micro SD, Max. 1TB
Ingress Protection	IP67, IK10	IP66, IK10	-
Operating Temperature	-40°C~55°C (-40°F ~131°F)	-40°C~55°C (-40°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	Ξ110 × 356.3 mm	303 × 100 × 107 mm	150.2 × 75 × 69.7 mm

IPC Ultra Series

	Full-color Bullet Cameras				
Model	SN-IPR8081CBAW-B	SN-IPR8041CBAW-B	SN-IPR8081DQAW-B	SN-IPR8041DQAW-B	SN-IPR8540DQAW-B
Appearance	Starlight	Starlight	Starlight	Starlight	COMING SOON NightHawk
Image sensor	1/1.8" STARVIS™ CMOS	1/1.8" CMOS	1/1.8" STARVIS™ CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	4 mm/F1.0	4 mm/F1.0	4 mm/F1.0	4 mm/F1.0	2.8 mm/F1.0
FOV-H	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 112.4°, V: 61.2°
Day and Night	Fixed filter	Fixed filter	Fixed filter	Fixed filter	Fixed filter
Min. Illumination(lux)	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with warm-light ON
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 50 m (164.0ft)	Up to 50 m (164.0ft)	Up to 50 m (164.0ft)
Max. Resolution	3840 × 2160 (8MP)	2560 × 1440 (4MP)	3840 × 2160 (8MP)	2560 × 1440 (4MP)	2688 × 1520 (4MP)
Frames Per Second	25/30fps @8MP	25/30fps @4MP	25/30fps @8MP	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, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and 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
Ingress 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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	243 × 88 × 97 mm	243 × 88 × 97 mm	303 × 100 × 107 mm	303 × 100 × 107 mm	303 × 100 × 107 mm

IPC Ultra Series

	Full-color Turret Cameras					
Model	SN-IPR8041HCAW-B	SN-IPR8081HDAW-B	SN-IPR8041HDAW-B	SN-IPV8540HDAW-B	SN-IPR8081CQAW-B	SN-IPR8041CQAW-B
Appearance	Starlight	Starlight	Starlight	NightHawk	Starlight	Starlight
Image sensor	1/1.8" CMOS	1/1.8" STARVIS™ CMOS	1/1.8" CMOS	1/1.8" CMOS	1/1.8" STARVIS™ CMOS	1/1.8" CMOS
Lens	4 mm/F1.0	4 mm/F1.0	4 mm/F1.0	2.8 mm/F1.0	4 mm/F1.0	4 mm/F1.0
FOV-H	H: 88.7°, V: 48.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 112.4°, V: 61.2°	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°
Day and Night	Fixed filter	Fixed filter	Fixed filter	Fixed filter	Fixed filter	Fixed filter
Min. Illumination(lux)	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0001 Lux @(F1.0, AGC ON), 0 Lux with warm-light ON	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on	Color: 0.0005Lux @(F1.0, AGC ON), B/W: 0Lux with light on
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)
Max. Resolution	2560 × 1440 (4MP)	3840 × 2160 (8MP)	2560 × 1440 (4MP)	2688 × 1520 (4MP)	3840 × 2160 (8MP)	2560 × 1440 (4MP)
Frames Per Second	25/30fps @4MP	25/30fps @8MP	25/30fps @4MP	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	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and 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
Ingress 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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡118 × 94 mm	≡140 × 119.2 mm	≡140 × 119.2 mm	≡140 × 119.2 mm	≡140 × 119.2 mm	≡140 × 119.2 mm

IPC Ultra Series

	Starlight Bullet Cameras			
Model	SN-IPR8041BYAN-B	SN-IPR8041BZAN-Z	SN-IPR8041AKAN-Z	SN-IPR8041CBAN-Z
Appearance	Starlight	Starlight	Starlight	Starlight
Image Sensor	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)
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°
Day/Night	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)
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)
Max. Resolution	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
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
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, IK10	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	187.6 × 64 × 64mm	232 × 80 × 80mm	≡110 × 353.3mm	243 × 88 × 97mm

IPC Ultra Series

	Starlight Bullet Cameras		Starlight Turret Cameras	
Model	SN-IPR8041DQAN-Z	SN-IPR8084DQAN-VZ	SN-IPR8041HCAN-B	SN-IPR8041CQAN-Z
Appearance	Starlight	Starlight	Starlight	Starlight
Image Sensor	1/1.8" CMOS	1/1.8" STARVIS™ CMOS	1/1.8" CMOS	1/1.8" CMOS
Lens	3.6~11mm/F1.3 (Motorized)	3.6 to 11 mm/F1.3 (Motorized)	4mm/F1.6	3.6~11mm/F1.3 (Motorized)
FOV	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 110.6° to 47.3°, V: H: 57.9° to 27.8°	H: 86.7°, V: 48.8°	H: 95.7°~45.6°, V: 51.3°~25.5°
Day/Night	ICR	ICR	ICR	ICR
Min. Illumination	Color: 0.005Lux @(F1.3, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.003Lux @(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
IR Distance	Up to 60m (196.9 ft)	Up to 80m (262.5ft)	Up to 40m (131.2 ft)	Up to 50m (164.0 ft)
Max. Resolution	2560×1440 (4MP)	3840 × 2160 (8MP)	2560×1440 (4MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps @4MP	25/30fps @8MP	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, Built-in MIC, Built-in Speaker	1/1, Built-in Mic	1/1, Built-in MIC	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)	-30°C~55°C (-22°F ~131°F)	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)
Power	DC12V/POE (802.3af)	12VDC/24VAC/PoE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Dimension	303 × 100 × 107mm	303 × 100 × 107 mm	≡118 × 94mm	≡140 × 119.2mm

NETWORK CAMERAS

Pro Series

- Various light types: 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 Cameras				
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: 78° , V: 56.4°	H: 79.8°, V: 42.1°	H: 81.5°, V: 44.8°	H: 78° , V: 56.4°	H: 77.4° , V: 43.3°
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 x 1944 (5MP)	1920 x 1080 (2MP)	3840 x 2160 (8MP)	2592 x 1944 (5MP)	2592 x 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 x 87.6 x 97.2mm	242.6 x 87.6 x 97.2mm	303 x 100 x 107mm	303 x 100 x 107mm	303 x 100 x 107mm

IPC Pro Series

	Full-color Turret Cameras					
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: 78°, V: 56.4°	H: 77.4°, V: 43.3°	H: 81.5°, V: 44.8°	H: 78°, V: 56.4°	H: 77.4°, V: 43.3°
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	∃118 × 94 mm	∃118 × 94mm	∃118 × 94mm	∃140 × 119.2mm	∃140 × 119.2mm	∃140 × 119.2mm

IPC Pro Series

	Smart Dual Illumination Cameras			
Model	SN-IPR8080DQAS-B	SN-IPR8050DQAS-B	SN-IPR8040DQAS-B	SN-IPR8020DQAS-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	2.8 mm/F2.0, 4 mm/F1.6	4 mm/F1.6	4 mm/F1.6	2.8 mm/F1.6, 4 mm/F1.6
FOV-H	2.8 mm: H: 101.5°, V: 54.2°, 4 mm: H: 85.5°, V: 43.7°	H: 80.5°, V: 56.7°	H: 80.6°, V: 43.3°	2.8 mm: H: 100°, V: 55°, 4 mm: H: 78.3°, V: 42.3°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light
WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	IR distance up to 50 m (164.0ft) Warm distance up to 40 m (131.2ft)	IR distance up to 50 m (164.0ft) Warm distance up to 40 m (131.2ft)	IR distance up to 50 m (164.0ft) Warm distance up to 40 m (131.2ft)	IR distance up to 50 m (164.0ft) Warm distance up to 40 m (131.2ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Frames Per Second	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 and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and 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
Ingress 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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	303 × 100 × 107 mm	303 × 100 × 107 mm	303 × 100 × 107 mm	303 × 100 × 107 mm

IPC Pro Series

	Smart Dual Illumination Cameras					
Model	SN-IPR8080DKAS-B	SN-IPR8050CBAS-B	SN-IPR8020CBAS-B	SN-IPR8080CQAS-B	SN-IPR8050CQAS-B	SN-IPR8040CQAS-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	2.8 mm/F2.0, 4 mm/F1.6	4 mm/F1.6	2.8 mm/F1.6, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	4 mm/F1.6	4 mm/F1.6
FOV-H	2.8 mm: H: 101.5°, V: 54.2°, 4 mm: H: 85.5°, V: 43.7°	H: 80.5° , V: 56.7°	2.8 mm: H: 100°, V: 55°, 4 mm: H: 78.3°, V: 42.3°	2.8 mm: H: 101.5°, V: 54.2°, 4 mm: H: 85.5°, V: 43.7°	H: 80.5° , V: 56.7°	H: 80.6° , V: 43.3°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with light
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	IR distance up to 30 m (98.4ft) Warm distance up to 30 m (98.4ft)	IR distance up to 40 m (131.2ft) Warm distance up to 30 m (98.4ft)	IR distance up to 40 m (131.2ft) Warm distance up to 30 m (98.4ft)	IR distance up to 40 m (131.2ft) Warm distance up to 30 m (98.4ft)	IR distance up to 40 m (131.2ft) Warm distance up to 30 m (98.4ft)	IR distance up to 40 m (131.2ft) Warm distance up to 30 m (98.4ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	1920 × 1080 (2MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)
Frames Per Second	25/30fps @8MP	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	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and 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
Ingress 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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	303 × 100 × 100 mm	243 × 88 × 97mm	243 × 88 × 97mm	≡140 × 119.2 mm	≡140 × 119.2 mm	≡140 × 119.2 mm

IPC Pro Series

	Fixed Bullet Cameras			
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: 93.8° , V: 68.2°	H: 94.4° , V: 53.5°	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 Cameras			
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: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	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 Cameras					
Model	SN-IPR8080AKAN-Z	SN-IPR8050AKAN-Z	SN-IPR8050AKAN(-S)-VZ	SN-IPR8040AKAN-Z	SN-IPR8040AKAN(-S)-VZ	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	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 to 12mm or 5 to 50mm (Motorized, DC-Iris)	2.7~13.5mm/F1.6 (Motorized)	2.7 to 12mm or 5 to 50mm (Motorized, DC-Iris)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	2.7 to 12mm, H: 100.2° to 31.1°, V: 71.6° to 23.2° 5 to 50mm, H: 46.2° to 7.7°, V: 34.1° to 5.8°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	2.7 to 12mm, H: 100.2° to 31.1°, V: 71.6° to 23.2° 5 to 50mm, H: 46.6° to 7.6°, V: 26.7° to 4.5°	H: 101°~28°, V: 54°~16°
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:0.03Lux @(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	True WDR	True WDR
IR Distance	Up to 60m (196.9 ft)	Up to 60m (196.9 ft)	2.7 to 12mm: Up to 60m (196.9ft) 5 to 50mm: Up to 100m (328.1ft)	Up to 60m (196.9 ft)	2.7 to 12mm: Up to 60m (196.9ft) 5 to 50mm: Up to 100m (328.1ft)	Up to 60m (196.9 ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	2592×1520 (4MP)	1920 × 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @5MP	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 (these functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1	1/1	Without -S: 1/1 With -S: 1/1, Built-in Speaker, mic optional	1/1	Without -S: 1/1 With -S: 1/1, Built-in Speaker, mic optional	1/1
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	IP67, IK10	IP67, IK10	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)	-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)	12 VDC/PoE (802.3af)	DC12V/POE (802.3af)	12 VDC/PoE (802.3af)	DC12V/POE (802.3af)
Dimension	≡110 × 353.3mm	≡110 × 353.3mm	≡130 × 112mm	≡110 × 353.3mm	≡130 × 112mm	≡110 × 353.3mm

IPC Pro Series

	Vari-focal Bullet Cameras			
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: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	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 Cameras			
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: 93.8° , V: 68.2°	H: 94.4° , V: 53.5°	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 Cameras			
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: 93.8°, V: 68.2°	H: 94.4°, V: 53.5°	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

	Mini Dome Cameras			
Model	SN-IPV8080EWAR-B	SN-IPV8050EWAR-B	SN-IPV8040EWAR-B	SN-IPV8020EWAR-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: 93.8°, V: 68.2°	H: 94.4°, V: 53.5°	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 Cameras			
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: 93.8°, V: 68.2°	H: 94.4°, V: 53.5°	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	≣110 × 85.4mm	≣110 × 85.4mm	≣110 × 85.4mm	≣110 × 85.4mm

IPC Pro Series

	Vari-focal Dome Cameras					
Model	SN-IPV8080EEAR-Z	SN-IPV8050EEAR-Z	SN-IPV8040EEAR-Z	SN-IPV8020EEAR-Z	SN-IPV8050UAR-VZ	SN-IPV8040UAR-VZ
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	2.7~13.5mm/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 to 12mm/F1.6 to F2.9 (Motorized, DC-Iris)	2.7 to 12mm/F1.6 to F2.9 (Motorized, DC-Iris)
FOV	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 92.8° ~ 26.9°, V: 52.1° ~ 15.8°	H: 103.7° ~ 28°, V: 57.6° ~ 15.9°	H: 101°~28°, V: 54°~16°	H: 100.2° to 31.1°, V: 71.6° to 23.2°	H: 93.8° to 30.5°, V: 52.5° to 18°
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 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 (131.2ft)	Up to 40m (131.2ft)
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)	2592 × 1944 (5MP)	2592×1520 (4MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @2MP	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 (these functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
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, IK10	IP66, IK10	IP66, IK10	IP66, 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)	-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)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Dimension	≣130 × 113 mm	≣130 × 113 mm	≣130 × 113 mm	≣130 × 113 mm	≣130 × 112mm	≣130 × 112mm

IPC Pro Series

	Cable Free Vari-focal Dome Cameras					
Model	SN-IPV8080EDAR-Z	SN-IPV8050EDAR-Z	SN-IPV8050EDAR-VZ	SN-IPV8040EDAR-Z	SN-IPV8040EDAR-VZ	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	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 to 12mm/F1.6 to F2.9 (Motorized, DC-Iris)	2.7~13.5mm/F1.6 (Motorized)	2.7 to 12mm/F1.6 to F2.9 (Motorized, DC-Iris)	2.7~13.5mm/F1.6 (Motorized)
FOV	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 92.8° ~ 26.9° , V: 52.1° ~ 15.8°	H: 100.2° to 31.1°, V: 71.6° to 23.2°	H: 103.7° ~ 28° , V: 57.6° ~ 15.9°	H: 93.8° to 30.5°, V: 52.5° to 18°	H: 101°~28°, V: 54°~16°
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:0.03Lux @(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	True WDR	True WDR
IR Distance	Up to 40m (131.2 ft)	Up to 40m (131.2 ft)	Up to 40m (131.2ft)	Up to 40m (131.2 ft)	Up to 40m (131.2ft)	Up to 40m (131.2 ft)
Max. Resolution	3840 x 2160 (8MP)	2592 x 1944 (5MP)	2592 x 1944 (5MP)	2592 x 1520 (4MP)	2592x1520 (4MP)	1920 x 1080 (2MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @5MP	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 (these functions support the accurate detection of vehicle and human), People counting					
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
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, IK10	IP66, IK10	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)	-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)	12 VDC/PoE (802.3af)	DC12V/POE (802.3af)	12 VDC/PoE (802.3af)	DC12V/POE (802.3af)
Dimension	≡140 x 110mm	≡140 x 110mm	≡140 x 110mm	≡140 x 110mm	≡140 x 110mm	≡140 x 110mm

IPC Pro Series

	Fixed Turret Cameras			Vari-focal Turret Cameras		
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: 93.8° , V: 68.2°	H: 94.4° , V: 53.5°	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°
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 x 2160 (8MP)	2592 x 1944 (5MP)	2592 x 1520 (4MP)	1920x1080 (2MP)	3840x2160 (8MP)	2592x1944 (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	≡118 x 94mm	≡118 x 94mm	≡118 x 94mm	≡140 x 119.2 mm	≡140 x 119.2 mm	≡140 x 119.2 mm

IPC Pro Series

	Vari-focal Turret Cameras			
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: 88.1° ~ 26.6° , V: 64.4° ~ 19.9°	H: 101.1° ~ 21.8° , V: 56.2° ~ 15.9°	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 x 2160 (8MP)	2592 x 1944 (5MP)	2592 x 1520 (4MP)	1920 x 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	≣140 x 119.2mm	≣140 x 119.2mm	≣140 x 119.2mm	≣140 x 119.2mm

NETWORK CAMERAS

Eco Series

- 2MP ~ 8MP@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

	Smart Dual Illumination Cameras					
Model	SN-IPV7180HCAS-B	SN-IPV7150HCAS-B	SN-IPV7180HZBS-B	SN-IPV7150HZBS-B	SN-IPV7180HNBS-B	SN-IPV7150HNBS-B
Appearance					COMING SOON	COMING SOON
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.8 mm/F1.6	2.8 mm/F1.6	2.8 mm/F1.6	2.8 mm/F1.6	2.8 mm/F1.6	2.8 mm/F1.6
FOV-H	H: 109.5°, V: 59.8°	H: 110.9°, V: 59.9°	H: 109.5°, V: 59.8°	H: 110.9°, V: 59.9°	H: 109.5°, V: 59.8°	H: 110.9°, V: 59.9°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light ON
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)	IR distance up to 30 m (98.4ft) Warm distance up to 20 m (65.6ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	3840 × 2160 (8MP)	2880 × 1620 (5MP)	3840 × 2160 (8MP)	2880 × 1620 (5MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25fps @8MP	25/30fps @5MP	25fps @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, Illegal parking and Smart motion detection (this 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 Mic	-/-, Built-in Mic	-/-, Built-in Mic and Speaker	-/-, Built-in Mic and Speaker
Alarm In/Out	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
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡110 × 94 mm	≡110 × 94 mm	≡111 × 95mm	≡111 × 95mm	-	-

IPC Eco Series

	Fixed Bullet Cameras					
Model	SN-IPR7180BYAN-B	SN-IPR7150BYAN-B	SN-IPR7120BYAN-B	SN-IPR8150BYBN-B	SN-IPR8140BYBN-B	SN-IPR8130BYBN-B
Appearance						
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6
FOV-H	2.8 mm: H: 105°, V: 56°, 4 mm: H: 91.5°, V: 46.3°	2.8 mm: H: 105.5°, V: 56.3°, 4 mm: H: 91.8°, V: 46.3°	H: 102.1°, V: 55.1°	2.8 mm: H: 106°, V: 56°, 4 mm: H: 88.6°, V: 44.7°	2.8 mm: H: 98°, V: 52.5°, 4 mm: H: 81.5°, V: 41.5°	2.8 mm: H: 106°, V: 48°, 4 mm: H: 87°, V: 44°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 ×1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	-/-	-/-	-/-
Alarm In/Out	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
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm	187.6 × 64 × 64mm

IPC Eco Series

	Vari-focal Bullet Cameras					
Model	SN-IPR7180BZAN-Z	SN-IPR7150BZAN-Z	SN-IPR7120BZAN-Z	SN-IPR8150BZBN-Z	SN-IPR8140BZBN-Z	SN-IPR8130BZBN-Z
Appearance						
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6
FOV-H	H: 102.8° to 32.6°, V: 54.5° to 18.3°	H: 102.3° to 33.1°, V: 54.3° to 18.5°	H: 101° to 28°, V: 54° to 16°	H: 104.8° to 30.3°, V: 56.3° to 16°	H: 95.8° to 30°, V: 52.4° to 16.9°	H: 100.6° to 28.7°, V: 54.3° to 16.1°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 ×1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1	1/1	1/1	-/-	-/-	-/-
Alarm In/Out	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
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	232 × 80 × 80 mm	232 × 80 × 80 mm	232 × 80 × 80 mm	232 × 80 × 80 mm	232 × 80 × 80 mm	232 × 80 × 80 mm

IPC Eco Series

	Fixed Dome Cameras					
Model	SN-IPV7180EFAR-B	SN-IPV7150EFAR-B	SN-IPV7120EFAR-B	SN-IPV8150EFBR-B	SN-IPV8140EFBR-B	SN-IPV8130EFBR-B
Appearance						
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6
FOV-H	2.8 mm: H: 105°, V: 56°, 4 mm: H: 91.5°, V: 46.3°	2.8 mm: H: 105.5°, V: 56.3°, 4 mm: H: 91.8°, V: 46.3°	H: 102.1°, V: 55.1°	2.8 mm: H: 106°, V: 56°, 4 mm: H: 88.6°, V: 44.7°	2.8 mm: H: 98°, V: 52.5°, 4 mm: H: 81.5°, V: 41.5°	2.8 mm: H: 106°, V: 48°, 4 mm: H: 87°, V: 44°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 × 1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1	1/1	1/1	-/-	-/-	-/-
Alarm In/Out	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
Ingress Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡110 × 85.4 mm	≡110 × 85.4 mm	≡110 × 85.4 mm	≡110 × 85.4 mm	≡110 × 85.4 mm	≡110 × 85.4 mm

IPC Eco Series

	Vari-focal Dome Cameras					
Model	SN-IPV7180EEAR-Z	SN-IPV7150EEAR-Z	SN-IPV7120EEAR-Z	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	1/2.7" CMOS
Lens	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6
FOV-H	H: 102.8° to 32.6°, V: 54.5° to 18.3°	H: 102.3° to 33.1°, V: 54.3° to 18.5°	H: 101° to 28°, V: 54° to 16°	H: 104.8° to 30.3°, V: 56.3° to 16°	H: 95.8° to 30°, V: 52.4° to 16.9°	H: 100.6° to 28.7°, V: 54.3° to 16.1°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 ×1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	-/-	-/-	-/-
Alarm In/Out	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
Ingress Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm

IPC Eco Series

	Fixed Turret Cameras					
Model	SN-IPV7180HCAR-B	SN-IPV7150HACR-B	SN-IPV7120HCAR-B	SN-IPR8150HCBN-B	SN-IPR8140HCBN-B	SN-IPR8130HCBN-B
Appearance						
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6	2.8 mm/F2.0, 4 mm/F1.6
FOV-H	2.8 mm: H: 105°, V: 56°, 4 mm: H: 91.5°, V: 46.3°	2.8 mm: H: 105.5°, V: 56.3°, 4 mm: H: 91.8°, V: 46.3°	H: 102.1°, V: 55.1°	2.8 mm: H: 106°, V: 56°, 4 mm: H: 88.6°, V: 44.7°	2.8 mm: H: 98°, V: 52.5°, 4 mm: H: 81.5°, V: 41.5°	2.8 mm: H: 106°, V: 48°, 4 mm: H: 87°, V: 44°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 ×1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	-/-, Built-in Mic	-/-, Built-in Mic	-/-, Built-in Mic
Alarm In/Out	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
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡110 × 94 mm	≡110 × 94 mm	≡110 × 94 mm	≡110 × 94 mm	≡110 × 94 mm	≡110 × 94 mm

IPC Eco Series

	Vari-focal Turret Cameras					
Model	SN-IPV7180HDAR-Z	SN-IPV7150HDAR-Z	SN-IPV7120HDAR-Z	SN-IPR8150HDBN-Z	SN-IPR8140HDBN-Z	SN-IPR8130HDBN-Z
Appearance						
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6
FOV-H	H: 102.8° to 32.6°, V: 54.5° to 18.3°	H: 102.3° to 33.1°, V: 54.3° to 18.5°	H: 101° to 28°, V: 54° to 16°	H: 104.8° to 30.3°, V: 56.3° to 16°	H: 95.8° to 30°, V: 52.4° to 16.9°	H: 100.6° to 28.7°, V: 54.3° to 16.1°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON	Color: 0.03Lux @(F1.6, AGC ON), B/W: 0.003Lux @(F1.6, AGC ON), 0Lux with IR ON
WDR	True WDR	True WDR	True WDR	DWDR	DWDR	DWDR
IR Distance	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)
Max. Resolution	3840 × 2160 (8MP)	2880 × 1620 (5MP)	1920 × 1080 (2MP)	2880 × 1620 (5MP)	2688 × 1512 (4MP)	2304 ×1296 (3MP)
Frames Per Second	25fps @8MP	25/30fps @5MP	25/30fps @2MP	25fps @5MP	25fps @4MP	25fps @3MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting			-	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic	-/-, Built-in Mic	-/-, Built-in Mic	-/-, Built-in Mic
Alarm In/Out	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
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)	-30°C~55°C (-22°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm	≡130 × 113mm

NETWORK CAMERAS

Lite Series

- 2MP~8MP resolution
- 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 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	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in MIC	-/-, Built-in Mic and Speaker	-/-, Built-in Mic and 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	≡111 × 95mm	≡111 × 95mm	≡111 × 95mm	≡111 × 95mm	≡70 × 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

	Bullet Cameras			
Model	SN-IPR5142HWDN-B (II)	SN-IPR5123HWDN-B (II)	SN-IPR5142BZBN-M	SN-IPR5122BZBN-M
Appearance				
Image sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	2.8 mm/F2.0	2.8 mm/F2.0	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6
FOV-H	H: 97.8°, V: 54.9°	H: 105.9°, V: 58.4°	H: 96.6° to 26.9°, V: 52.5° to 15.1°	H: 101.9° to 33.6°, V: 53.6° to 18.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON
WDR	DWDR	DWDR	DWDR	DWDR
Illumination Distance	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)
Max. Resolution	2560 × 1440 (4MP)	1920 × 1080 (2MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)
Frames Per Second	25fps @4MP	25fps @2MP	25fps @4MP	25fps @2MP
Smart Function	Intrusion and Line crossing detection based on human detection		Intrusion and Line crossing detection based on human detection	
Audio In/Out	-/-, Built-in Mic	-/-, Built-in Mic	-/-	-/-
Alarm In/Out	-/-	-/-	-/-	-/-
Memory Slot	-	-	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP66	IP66	IP66	IP66
Operating Temperature	-25°C to 50°C (-13°F to 122°F)	-25°C to 50°C (-13°F to 122°F)	-40°C~55°C (-40°F ~131°F)	-40°C~55°C (-40°F ~131°F)
Power	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	≡70 × 162.2 mm	≡70 × 162.2 mm	232 × 80 × 80 mm	232 × 80 × 80 mm

IPC Lite Series

	Dome Cameras				Turret Cameras	
Model	SN-IPV5142EFBR-B	SN-IPV5122EFBR-B	SN-IPV5142EEBR-M	SN-IPV5122EEBR-M	SN-IPR5142HYDN-B (II)	SN-IPR5122HYDN-B (II)
Appearance						
Image sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Lens	2.8 mm/F2.0	2.8 mm/F2.0	2.7 to 13.5 mm/F1.6	2.7 to 13.5 mm/F1.6	2.8 mm/F2.0	2.8 mm/F2.0
FOV-H	H: 92.9°, V: 50.4°	H: 104.1°, V: 55.4°	H: 96.6° to 26.9°, V: 52.5° to 15.1°	H: 101.9° to 33.6°, V: 53.6° to 18.9°	H: 97.8°, V: 54.9°	H: 105.9°, V: 58.4°
Day and Night	Fixed filter	Fixed filter	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON	Color: 0.1Lux @(F1.6, AGC ON), B/W: 0Lux with IR ON
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
IR Distance	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)	Up to 40 m (131.2ft)	Up to 40 m (131.2ft)	Up to 30 m (98.4ft)	Up to 30 m (98.4ft)
Max. Resolution	2560 × 1440 (4MP)	1920 × 1080 (2MP)	2592 × 1520 (4MP)	1920 × 1080 (2MP)	2560 × 1440 (4MP)	1920 × 1080 (2MP)
Frames Per Second	25fps @4MP	25fps @2MP	25fps @4MP	25fps @2MP	25fps @4MP	25fps @2MP
Smart Function	Intrusion and Line crossing detection based on human detection		Intrusion and Line crossing detection based on human detection		Intrusion and Line crossing detection based on human detection	
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	Micro SD, Max. 256GB
Ingress Protection	-	-	-	-	-	-
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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC	12 VDC
Product Size	≡110 × 85.4 mm	≡110 × 85.4 mm	≡130 × 113mm	≡130 × 113mm	≡110 × 97 mm	≡110 × 97 mm

IPC Lite Series

	Fixed Turret Cameras				Vari-focal Turret Cameras	
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 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	-/-, 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	≣111 x 95mm	≣111 x 95mm	≣111 x 95mm	≣111 x 95mm	≣120 x 96mm	≣120 x 96mm

NETWORK CAMERAS

Special Series

- 2MP & 4MP
- Various lens options
- WDR
- Audio & Alarm port
- Supports Face, Human, and Vehicle Detection
- Smart Events: Intrusion, Single-line Crossing, Double-line Crossing, Loitering, Wrong Way (the five functions support accurate vehicle and human detection), People Counting

Certified | 120dB | Edge AI | 2MP/4MP

Special Series

	Covert Cameras					
Model	SN-MNC8046KBA1-S1B	SN-MNC8046KBA1-S1P	SN-MNC8120KBA1-S1B	SN-MNC8120KBA1-S1P	SN-MNC8120AG-B	SN-MNC8120AG-P
Appearance	COMING SOON	COMING SOON				
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	2.8mm/F2.0 (Fixed)	3.7mm/F2.0 (Pinhole)	2.8mm/F2.0 (Fixed)	3.7mm/F2.0 (Pinhole)	2.8mm/F2.0 (Fixed)	3.7mm/F2.0 (Pinhole)
FOV-H	H: 99.6°, V: 53.0°	H: 82.9°, V: 41.1°	H: 113.7°, V: 59.6°	H: 82.9°, V: 41.1°	H: 113.9°, V: 60.2°	H: 81.9°, V: 40.8°
Day and Night	Fixed filter	Fixed filter	Fixed filter	Fixed filter	Fixed filter	Fixed filter
Min. Illumination(lux)	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	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)	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	True WDR	True WDR	True WDR	True WDR
IR Distance	-	-	-	-	-	-
Max. Resolution	2560 x 1440 (4MP)	2560 x 1440 (4MP)	1920 x 1080 (2MP)	1920 x 1080 (2MP)	1920 x 1080 (2MP)	1920 x 1080 (2MP)
Frames Per Second	25/30fps @4MP	25/30fps @4MP	25/30fps @2MP	25/30fps @2MP	25/30fps @2MP	25/30fps @2MP
Smart Function	Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking and Smart motion detection (this functions support the accurate detection of vehicle and human), People counting				Support Face, Human, Vehicle Detection. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering and Wrong-way (this functions support the accurate detection of vehicle and human)	
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
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
Ingress Protection	-	-	-	-	-	-
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	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC	12 VDC
Product Size	Camera: 34.0 x 22 x 22 mm Main body: 86.0 x 75.1 x 33.5 mm	Camera: 34.0 x 22 x 22 mm Main body: 86.0 x 75.1 x 33.5 mm	Camera: 34.0 x 22 x 22 mm Main body: 86.0 x 75.1 x 33.5 mm	Camera: 34.0 x 22 x 22 mm Main body: 86.0 x 75.1 x 33.5 mm	37.6 x 44.1 x 46.5 mm	37.6 x 44.1 x 46.5 mm

Special Series

	Box Cameras	Bullet Cameras			
Model	SN-IPC8045HAN-F	SN-IPR8045DQAN-Z	SN-IPR8045DQAN-VZ	SN-IPR8045AKAN(-S)-Z	SN-IPR8045AKAN(-S)-VZ
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	C/CS Mount	2.7 to 13.5 mm/F1.6	2.7 to 13.5mm or 5 to 50mm (Motorized, DC-Iris)	2.7 to 13.5mm or 5 to 50mm (Motorized)	2.7 to 13.5mm or 5 to 50mm (Motorized, DC-Iris)
FOV-H	-	H: 98.4° to 28.14°, V: 55.1° to 16.6°	2.7 to 13.5mm, H: 98.4° to 28.1°, V: 55.1° to 16.6° 5 to 50mm, H: 46.8° to 7.7°, V: 34.5° to 5.8°	2.7 to 13.5mm, H: 98.4° to 28.1°, V: 55.1° to 16.6° 5 to 50mm, H: 46.8° to 7.7°, V: 34.5° to 5.8°	2.7 to 13.5mm, H: 98.4° to 28.1°, V: 55.1° to 16.6° 5 to 50mm, H: 46.8° to 7.7°, V: 34.5° to 5.8°
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.03Lux @(F1.6, AGC ON),B/W: 0.003Lux @(F1.6, AGC 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: 0.03Lux @(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
Illumination Distance	-	Up to 60 m (196.9ft)	2.7 to 13.5mm: Up to 60m (196.9ft) 5 to 50mm: Up to 100m (328.1ft)	2.7 to 13.5mm: Up to 60m (196.9ft) 5 to 50mm: Up to 100m (328.1ft)	2.7 to 13.5mm: Up to 60m (196.9ft) 5 to 50mm: Up to 100m (328.1ft)
Max. Resolution	2592 x 1520 (4MP)	2592 x 1520 (4MP)	2592 x 1520 (4MP)	2592 x 1520 (4MP)	2592 x 1520 (4MP)
Frames Per Second	50/60fps @4MP	50/60fps @4MP	50/60fps @4MP	50/60fps @4MP	50/60fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way (these 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	Without -S: 1/1 With -S: 1/1, Built-in Speaker	Without -S: 1/1 With -S: 1/1, 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
Ingress Protection	-	IP66	IP66	IP67, IK10	IP67, IK10
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)	-40°C to 55°C (-40°F to 131°F)
Power	12 VDC/24VAC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/24 VAC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	150.2 x 75 x 69.7 mm	303 x 100 x 107 mm	303 x 100 x 107 mm	≡110 x 356.3 mm	≡110 x 356.3 mm

Network PTZ Cameras

	7" IR PTZ Cameras					
Model	SN-IPS8681WDR-Z40	SN-IPS8650WDR-Z30	SN-IPS8653WDR-Z40	SN-IPS8640WDR-Z30	SN-IPS8641WDR-Z37	SN-IPS8641WDL-Z37
Appearance	Starlight		COMING SOON		Starlight	Starlight
Image sensor	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS
Lens	6.8 to 272 mm, 40× optical zoom	5.3 to 159 mm, 30× optical zoom	5.0 to 200 mm, 40× optical zoom	5.3 to 159 mm, 30× optical zoom	6.8 to 251 mm, 37× optical zoom	6.8 to 251 mm, 37× optical zoom
FOV-H	H: 58.2° to 2.2°, V: 34.3° to 1.3°	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 65.7° to 1.9°, V: 39.4° to 1.1°	H: 55.2° to 2.8°, V: 31.6° to 1.6°	H: 60.7° to 2.3°, V: 36.8° to 1.38°	H: 60.7° to 2.3°, V: 36.8° to 1.38°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.005Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.01Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.001Lux @(F1.5, AGC ON), B/W: 0.0001Lux @(F1.5, AGC ON), 0Lux with IR	Color: 0.001Lux @(F1.5, AGC ON), B/W: 0.0001Lux @(F1.5, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 300 m (984.3ft)	Up to 200 m (656.2ft)	Up to 250 m (820.2ft)	Up to 200 m (656.2ft)	Up to 400 m (1312.3ft)	Up to 500 m (1640.42ft)
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	2592×1944 (5MP)	2592×1520 (4MP)	2592×1520 (4MP)	2592×1520 (4MP)
Frames Per Second	25/30fps @8MP	25/30fps @5MP	25/30fps @5MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto tracking					
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	7/2	7/2	7/2	7/2	7/2	7/2
Memory Slot	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)
Power	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V
Product Size	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm

Network PTZ Cameras

	7" IR PTZ Cameras				
Model	SN-IPS8643WDR-Z40	SN-IPS8646WDR-Z40	SN-IPS8650MDR-Z30	SN-IPS8640MDR-Z30	SN-IPS8620MDR-Z25
Appearance	COMING SOON	COMING SOON Starlight			
Image sensor	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS
Lens	5.0 to 200 mm, 40× optical zoom	6.8 to 272 mm, 40× optical zoom	5.3 to 159 mm, 30× optical zoom	5.3 to 159 mm, 30× optical zoom	5 to 125mm, 25× optical zoom
FOV-H	H: 65.7° to 1.9°, V: 39.4° to 1.1°	H: 58.2° to 2.3°, V: 34.3° to 1.3°	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 55.2° to 2.8°, V: 31.6° to 1.6°	H: 57.0° to 3.4°, V: 33.2° to 1.9°
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.01Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.005Lux @(F1.6, AGC ON), B/W: 0.0001Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.005Lux @(F1.6, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 250 m (820.2ft)	Up to 400 m (1312.3ft)	Up to 200 m (656.2ft)	Up to 200 m (656.2ft)	Up to 200 m (656.2ft)
Max. Resolution	2592×1520 (4MP)	2592×1520 (4MP)	2592×1944 (5MP)	2592×1520 (4MP)	1920×1080 (2MP)
Frames Per Second	25/30fps @4MP	50/60fps @4MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto 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	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°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	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V
Product Size	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8mm	≡226×362.8mm	≡226×362.8mm

Network PTZ Cameras

	7" IR PTZ Cameras				
Model	SN-IPS8681VDR-Z40	SN-IPS8653VDR-Z40	SN-IPS8641VDR-Z37	SN-IPS8643VDR-Z40	SN-IPS8646VDR-Z40
Appearance	Starlight	COMING SOON	Starlight	COMING SOON	COMING SOON Starlight
Image sensor	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS
Lens	6.8 to 272 mm, 40× optical zoom	5.0 to 200 mm, 40× optical zoom	6.8 to 251 mm, 37× optical zoom	5.0 to 200 mm, 40× optical zoom	6.8 to 272 mm, 40× optical zoom
FOV-H	H: 58.2° to 2.2°, V: 34.3° to 1.3°	H: 65.7° to 1.9°, V: 39.4° to 1.1°	H: 60.7° to 2.3°, V: 36.8° to 1.38°	H: 65.7° to 1.9°, V: 39.4° to 1.1°	H: 58.2° to 2.3°, V: 34.3° to 1.3°
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.005Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.01Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.001Lux @(F1.5, AGC ON), B/W: 0.0001Lux @(F1.5, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.01Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.005Lux @(F1.6, AGC ON), B/W: 0.0001Lux @(F1.6, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 300 m (984.3ft)	Up to 250 m (820.2ft)	Up to 400 m (1312.3ft)	Up to 250 m (820.2ft)	Up to 400 m (1312.3ft)
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	2592×1520 (4MP)	2592×1520 (4MP)	2592×1520 (4MP)
Frames Per Second	25/30fps @8MP	25/30fps @5MP	25/30fps @4MP	25/30fps @4MP	50/60fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture. Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto 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	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB	Built-in SD card Slot, up to 1 TB
Ingress Protection	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10
Operating Temperature	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)
Power	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V	24 VAC/36 VDC/PoE++ (802.3bt) Standard Equipped: DC36V
Product Size	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm	≡226×362.8 mm

Network PTZ Cameras

	5" IR PTZ Cameras			
Model	SN-IPS8650TDR-Z30	SN-IPS8652TDR-Z15	SN-IPS8640TDR-Z30	SN-IPS8620TDR-Z25
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 to 159mm, 30× optical zoom	5.3 to 79.5mm, 15× optical zoom	5.3 to 159mm, 30× optical zoom	5 to 125mm, 25× optical zoom
FOV-H	H: 56.7° to 2.5°, V: 42.8° to 1.9°	H: 58.2° to 4.83°, V: 34° to 2.8°	H: 55.2° to 2.7°, V: 31.6° to 1.6°	H: 57.0° to 3.4°, V: 33.2° to 1.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.002Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.007Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.005Lux @(F1.6, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 150 m (492.1ft)	Up to 100 m (328.08ft)	Up to 150 m (492.1ft)	Up to 150 m (492.1ft)
Max. Resolution	2592×1944 (5MP)	2592×1944 (5MP)	2592×1520 (4MP)	1920×1080 (2MP)
Frames Per Second	25/30fps @5MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto tracking			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	2/2	2/2	2/2	2/2
Memory Slot	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB
Ingress Protection	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)
Power	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V
Product Size	≡173.2×292.6 mm	≡173.2×292.6 mm	≡173.2×292.6 mm	≡173.2×292.6 mm

Network PTZ Cameras

	5" IR PTZ Cameras					
Model	SN-IPS8655YDR-Z30	SN-IPS8655YDR-Z18	SN-IPS8641YDR-Z30	SN-IPS8645YDR-Z30	SN-IPS8645YDR-Z18	SN-IPS8622YDR-Z25
Appearance		COMING SOON	Starlight		COMING SOON	COMING SOON
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	1/2.8" STARVIS™ CMOS
Lens	5.3 to 159 mm, 30× optical zoom	5.3 to 95.4 mm, 18× optical zoom	7 to 210 mm, 30× optical zoom	5.3 to 159mm, 30× optical zoom	5.3 to 95.4 mm, 18× optical zoom	5 to 125 mm, 25× optical zoom
FOV-H	H: 56.7° to 2.5°, V: 42.8° to 1.9°	H: 58.2° to 4.8°, V: 34° to 2.8°	H: 59.2° to 2.5°, V: 34.6° to 1.4°	H: 55.2° to 2.7°, V: 31.6° to 1.6°	H: 58.2° to 4.8°, V: 34° to 2.8°	H: 57.0° to 3.4°, V: 33.1° to 1.9°
Day and Night	ICR	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.007Lux @(F1.6, AGC ON), B/W: 0.002Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.05Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 200 m (656.16ft)	Up to 150m (492.1ft)	Up to 250 m (820.21ft)	Up to 200 m (656.16ft)	Up to 150m (492.1ft)	Up to 200 m (656.16ft)
Max. Resolution	2592×1944 (5MP)	2592×1944 (5MP)	2592×1520 (4MP)	2592×1520 (4MP)	2592×1520 (4MP)	1920×1080 (2MP)
Frames Per Second	25/30fps @5MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto 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	2/2	2/2	2/2
Memory Slot	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB
Ingress 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	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V
Product Size	≡176.0×303.9 mm	≡176.0×303.9 mm	≡176.0×303.9 mm	≡176.0×303.9 mm	≡176.0×303.9 mm	≡176.0×303.9 mm

Network PTZ Cameras

	5" Smart Full-color PTZ Cameras	Active Deterrence PTZ Cameras		4" PTZ Cameras
Model	SN-IPS8641YDS-Z30	SN-IPS8641YDA-Z30	SN-IPS8654ZDC-Z5	SN-IPS8652ELDN-Z15
Appearance	Starlight	Starlight		
Image sensor	1/1.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.7" CMOS	1/2.8" STARVIS™ CMOS
Lens	7 to 210 mm, 30× optical zoom	7 to 210 mm, 30× optical zoom	2.7 to 13.5 mm, 5× optical zoom	5.3 to 79.5 mm, 15× optical zoom
FOV-H	H: 59.2° to 2.5°, V: 34.6° to 1.4°	H: 59.2° to 2.5°, V: 34.6° to 1.4°	H: 111.5° to 32.3°, V: 57.5° to 17.9°	H: 58.2° to 4.83°, V: 34° to 2.8°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.007Lux @(F1.6, AGC ON), B/W: 0.002Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.007Lux @(F1.6, AGC ON), B/W: 0.002Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F1.6, AGC ON), B/W: 0.001Lux @(F1.6, AGC ON), 0Lux with light	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	IR distance up to 250 m, Warm lights distance up to 60 m	IR distance up to 250 m	IR distance up to 50 m, Warm lights distance up to 30 m	-
Max. Resolution	2592×1520 (4MP)	2592×1520 (4MP)	2880×1620 (5MP)	2592×1944 (5MP)
Frames Per Second	25/30fps @4MP	25/30fps @4MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection and Auto tracking			
Audio In/Out	1/1, Built-in Mic and Speaker	1/1, Built-in Mic and Speaker	Built-in Mic and Speaker	-/-
Alarm In/Out	2/2	2/2	1/1	-/-
Memory Slot	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB	Built-in SD card Slot, up to 256 GB
Ingress Protection	IP66	IP66	IP66	IP66
Operating Temperature	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-30°C~60°C (-22°F ~140°F)	-20 °C ~ 50 °C (-4 °F ~ 122 °F)
Power	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	24 VAC/36 VDC/POE+ (802.3at) Standard Equipped: DC36V	12 VDC/POE+ (802.3at)	12 VDC/POE (802.3af)
Product Size	≡176.0×303.9 mm	≡176.0×303.9 mm	174.4×138.8×270.9 mm	≡143.5×130.6 mm

EXPLOSION-PROOF

Explosion-Proof Cameras

	Explosion-proof Network Cameras			
Model	SN-CHP8650CDN-Z30	SN-CHP8650CDR-Z30	SN-CHP8650EBR-Z30	SN-CHP8641EBR-Z37
Appearance				Starlight
Image sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS
Lens	5.3 to 159 mm, 30× optical zoom	5.3 to 159 mm, 30× optical zoom	5.3 to 159 mm, 30× optical zoom	6.8 to 251 mm, 37× optical zoom
FOV-H	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 60.7° to 2.3°, V: 36.8° to 1.38°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON)	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.001Lux @(F1.5, AGC ON), B/W: 0.0001Lux @(F1.5, AGC ON), 0Lux with IR
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	-	Up to 100 m (328.08ft)	Up to 200 m (656.17ft)	Up to 300 m (984.25ft)
Max. Resolution	2592 × 1944 (5MP)	2592 × 1944 (5MP)	2592 × 1944 (5MP)	2592×1520 (4MP)
Frames Per Second	25/30fps @5MP	25/30fps @5MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection			
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	2/1	2/1	2/1	2/1
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP68	IP68	IP68	IP68
Operating Temperature	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)
Power	100 to 240 VAC, Max. 15W	100 to 240 VAC, Max. 30W	100 to 240 VAC, Max. 36W	100 to 240 VAC, Max. 36W
Product Size	524 × 179 × 215 mm	523.5 × 296.7 × 220.6 mm	523.5 × 405.6 × 220.6 mm	523.5 × 405.6 × 220.6 mm

Explosion-Proof Cameras

	Explosion-proof Network PTZ Cameras			
Model	SN-IPT8650PAR-Z30	SN-IPT8641PAR-Z37	SN-IPT8650PAN-Z30	SN-IPS8652PCDN-Z15
Appearance		Starlight		
Image sensor	1/2.8" STARVIS™ CMOS	1/1.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS ™ CMOS
Lens	5.3 to 159 mm, 30× optical zoom	6.8 to 251 mm, 37× optical zoom	5.3 to 159 mm, 30× optical zoom	5.3 to 79.5 mm, 15× optical zoom
FOV-H	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 60.7° to 2.3°, V: 36.8° to 1.38°	H: 56.6° to 2.48°, V: 42.7° to 1.91°	H: 58.2° to 4.83° , V: 34° to 2.8°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON), 0Lux with IR	Color: 0.001Lux @(F1.5, AGC ON), B/W: 0.0001Lux @(F1.5, AGC ON), 0Lux with IR	Color: 0.07Lux @(F1.6, AGC ON), B/W: 0.02Lux @(F1.6, AGC ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 200 m (656.2ft)	Up to 300 m (984.25ft)	-	-
Max. Resolution	2592 × 1944 (5MP)	2592×1520 (4MP)	2592 × 1944 (5MP)	2592 × 1944 (5MP)
Frames Per Second	25/30fps @5MP	25/30fps @4MP	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, Smart motion detection (the six functions support the accurate detection of vehicle and human), People counting, fire & smoke detection			
Audio In/Out	1/1	1/1	1/1	-/-
Alarm In/Out	5/1	5/1	5/1	-/-
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP68	IP68	IP68	IP68
Operating Temperature	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-40°C to 60°C (-40°F to140°F)	-20°C to 50°C (-40°F to140°F)
Power	100 to 240 VAC, Max. 75W	100 to 240 VAC, Max. 75W	100 to 240 VAC, Max. 60W	100 to 240 VAC, Max. 15W
Product Size	530 × 295 × 420 mm	530 × 295 × 420 mm	390 × 295 × 420 mm	≡238 × 386 mm (Bracket not included)

THERMAL CAMERAS

Thermal Camera Series

- Temperature measurement accuracy ±2°C/± 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-D2L-F	SN-TPC2553CT-F	SN-TPC2553DRT-F	SN-TPC4233DJT-F	SN-TPC6457DLT-F
Appearance					
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	12μm	12μm	12μm	17μm	12μm
Sensitivity (NETD)	≤ 60mK	<50mK	<50mK	≤40mK	≤40mK
Resolution (Thermal)	256 × 192	256 × 192	256 × 192	400 × 300	640 × 512
Sensor (Optical)	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	1600 × 1200	2560 × 1440	2880 × 1620	1920 × 1080	2688 × 1520
Lens	Thermal: 2.0 mm Optical: 2.3 mm	Thermal: 3.5 or 7mm Optical: 4 or 8 mm	Thermal: 3.5, 7 or 10 mm Optical: 4 or 8 mm	Thermal: 8, 15, 25, 35 or 50 mm Optical: 5 to 50mm	Thermal: 9, 15, 25, 35 or 50 mm Optical: 4, 6 or 10 to 30mm
FOV (Thermal)	2.0 mm: 90° × 65°	3.5 mm: 48° × 36° 7 mm: 24° × 18°	3.5 mm: 48° × 36° 7 mm: 24° × 18° 10 mm: 17° × 13°	8 mm: 46° × 35.3°, 15 mm: 25.5° × 19.2° 25 mm: 15.4° × 11.6°, 35 mm: 11° × 9° 50 mm: 7.7° × 5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm				
Measurement Rule	3 temperature measurement rule types (spot, areas, line)		3 temperature measurement rule types (spot, areas, line)		
Smart Function	Reliable temperature exception alarm function	Temperature detection, Smoker detection, Smoke and Flame detection, fire point detection, Intelligent Analysis: Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles), People counting			
Audio In/Out	-/-	1/1, Built-in Mic and Speaker	1/1, Built-in Speaker	1/1	1/1, Built-in Mic and Speaker
Alarm In/Out	1/1	1/1	2/2	2/2	2/2
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP67	IP66	IP66	IP66	IP66
Operating Temperature	From -30°C to 60°C (-22°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	10–30 VDC/PoE (802.3af), Max. 5.4W	12 VDC/24 VDC/PoE (802.3af), Max. 10W	12 VDC/24 VDC/PoE (802.3af), Max. 12W	12 VDC/PoE+ (802.3at), Max. 24W	12 VDC/24 VAC/PoE+ (802.3at), Max. 23W
Product Size	55 × 46 × 118 mm	≡140 mm × 117.8 mm	303 × 95 × 107 mm	(244.8 to 274.8) × 180.5 × 126.8 mm	(327.4 to 347.4) × 140.04 × 120.72 mm

Thermal Cameras

	Fixed Thermal Series			
Model	SN-TPC4201VT-F/M (III)	SN-TPC4201AT-F/M (III)	SN-TPC4203AT-F/M	SN-TPC6406VT-F/M
Appearance				
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	17μm	17μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	400 × 300	400 × 300	640 × 512
Sensor (Optical)	-	-	-	-
Max. Resolution (Optical)	-	-	-	-
Lens	-F: 8, 15, 25, 35 or 50 mm -M: 25, 50, 75 or 100 mm	-F: 8, 15, 25, 35 or 50 mm -M: 25, 50, 75 or 100 mm	-F: 8, 15, 25, 35 or 50 mm -M: 25, 50, 75 or 100 mm	-F: 9, 15, 25, 35 or 50 mm -M: 25, 50, 75 or 100 mm
FOV (Thermal)	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°, 75 mm: 5.1° ×3.8° 100 mm: 3.8° ×2.3°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°, 75 mm: 5.1° ×3.8° 100 mm: 3.8° ×2.3°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°, 75 mm: 5.1° ×3.8° 100 mm: 3.8° ×2.3°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°, 75 mm: 6° ×5° 100 mm: 4.3° ×3.5°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm	
Measurement Rule	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)
Smart Function	Temperature detection,	Temperature detection,	Temperature detection	Temperature detection, fire point detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Object left, Object removed	Intrusion, Single line crossing, Double line crossing, Object left, Object removed	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting	
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	2/2	2/2	1/1
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	-	-	-	-
Operating Temperature	From -30°C to 60°C (-22°F to 140°F)	From -30°C to 60°C (-22°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	12 VDC, Max. 5W	12 VDC, Max. 5W	12 VDC, Max. 5W	12 VDC, Max. 3.6W
Product Size	74× 52 × 52 mm without lens	79.8 × 70 × 70 mm without lens	79.8 × 70 × 70 mm without lens	64.8 × 52 × 52 mm without lens

Thermal Cameras

	Bullet Thermal Series		
Model	SN-TPC4201KT-F (III)	SN-TPC4203KT-F	SN-TPC6406KT-F
Appearance			
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	17μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	400 × 300	640 × 512
Sensor (Optical)	-	-	-
Max. Resolution (Optical)	-	-	-
Lens	8, 15, 25, 35 or 50 mm	8, 15, 25, 35 or 50 mm	9, 15, 25, 35 or 50 mm
FOV (Thermal)	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm
Measurement Rule	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)
Smart Function	Temperature detection,	Temperature detection	Temperature detection, fire point detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Object left, Object removed	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting	
Audio In/Out	1/1	1/1	1/1
Alarm In/Out	2/2	2/2	2/2
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP66	IP66	IP66
Operating Temperature	From -30°C to 60°C (-22°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	12 VDC, Max. 5W	12 VDC, Max. 5W	12 VDC, Max. 3.6W
Product Size	≡110 × 388 mm	≡110 × 388 mm	≡120.5 × 315.9 or 352.6 mm

Thermal Cameras

	PTZ Thermal Series			
Model	SN-TPT4233QF-F/M	SN-TPT6436QF-F/M	SN-TPT4233LZ-F/M	SN-TPT6436LZ-F/M
Appearance				
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	12μm	17μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	640 × 512	400 × 300	640 × 512
Sensor (Optical)	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution (Optical)	2592 × 1520	2592 × 1520	2592 × 1520	2592 × 1520
Lens	Thermal: -F: 8, 15 or 25 mm -M: 25 mm Optical: 5.3 to 159 mm	Thermal: -F: 9, 15 or 25 mm -M: 25 mm Optical: 5.3 to 159 mm	Thermal: -F: 8, 15, 25, 35 or 50 mm -M: 25 or 50 mm Optical: 5.3 to 159 mm	Thermal: -F: 9, 15, 25, 35 or 50 mm -M: 25 or 50 mm Optical: 5.3 to 159 mm
FOV (Thermal)	8 mm: 46° ×35.3° 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°	9 mm: 48° × 38° 15 mm: 32° × 26° 25 mm: 17° × 14°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm	
Measurement Rule	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)
Smart Function	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting	
Audio In/Out	1/1	1/1	2/2	2/2
Alarm In/Out	-/1	-/1	9/4	9/4
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP66	IP66	IP66	IP66
Operating Temperature	From -30°C to 60°C (-22°F to 140°F)	From -30°C to 60°C (-22°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	24 VDC, Max. 40W	24 VDC, Max. 40W	36 VDC, Max. 80W	36 VDC, Max. 80W
Product Size	323 × 192.5 × 177 mm	323 × 192.5 × 177 mm	419 × 282 × 316 mm	419 × 282 × 316 mm

Thermal Cameras

	PTZ Thermal Series				
Model	SN-TPT4233ZZ-M	SN-TPT6436ZZ-M	SN-TPT4233HZ-M	SN-TPT6436HZ-M	SN-TPT6436HZ-Z
Appearance					
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	12μm	17μm	12μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	640 × 512	400 × 300	640 × 512	640 × 512
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2592 × 1520	2592 × 1520	2560 × 1440	2560 × 1440	2560 × 1440
Lens	Thermal: 25, 50, 75 or 100 mm Optical: 6.8 to 251 mm	Thermal: 25, 50, 75 or 100 mm Optical: 6.8 to 251 mm	Thermal: 75 or 100 mm Optical: 12.5 to 400, 15.6 to 500, 12.5 to 750 or 16.7 to 1000 mm	Thermal: 75 or 100 mm Optical: 12.5 to 400, 15.6 to 500, 12.5 to 750 or 16.7 to 1000 mm	Thermal: 30 to 150 mm Optical: 10 to 860 mm
FOV (Thermal)	25 mm: 15.4° ×11.6°, 50 mm: 7.7° ×5.8°, 75 mm: 5.1° ×3.8°, 100 mm: 3.8° ×2.3°	25 mm: 17° × 14°, 50 mm: 8° × 7°, 75 mm: 6° ×5°, 100 mm: 4.3° ×3.5°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°	H: 14.5° to 2.9°, V: 11.6° to 2.3°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		
Measurement Rule	3 temperature measurement rule types (spot, areas, line)		3 temperature measurement rule types (spot, areas, line)		
Smart Function	Temperature detection, Smoke and Fire detection, fire point detection		Temperature detection, fire point detection		
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		
Audio In/Out	2/2	2/2	2/2	2/2	2/2
Alarm In/Out	9/4	9/4	3/3	3/3	3/3
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	36 VDC, Max. 100W	36 VDC, Max. 100W	36 VDC, Max. 150W	36 VDC, Max. 150W	36 VDC, Max. 150W
Product Size	294 × 420 × 536 mm	294 × 420 × 536 mm	730 × 443 × 636 mm	730 × 443 × 636 mm	730 × 443 × 636 mm

Thermal Cameras

	PTZ Thermal Series				
Model	SN-TPT4233LPZ-M	SN-TPT6436LPZ-Z	SN-TPS4157ET-F	SN-TPS4157ET-M	SN-TPS6457ET-M
Appearance					
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	12μm	12μm	12μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	640 × 512	384 × 288	384 × 288	640 × 512
Sensor (Optical)	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution (Optical)	2592 × 1520	2592 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Lens	Thermal: 75 or 100 mm Optical: 6.8 to 251 mm	Thermal: 26 to 105 mm Optical: 6.8 to 251 mm	Thermal: 7 or 15 mm Optical: 6.27 to 251 mm	Thermal: 25mm Optical: 6.27 to 251 mm	Thermal: 25mm Optical: 6.27 to 251 mm
FOV (Thermal)	75 mm: 5.1° × 3.8° 100 mm: 3.8° × 2.3°	H: 16.8° × 4.2°, V: 13.4° × 3.4°	7 mm: 42° × 31° 15 mm: 17° × 13°	25 mm: 17° × 14°	25 mm: 17° × 14°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		
Measurement Rule	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)
Smart Function	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		
Audio In/Out	2/2	2/2	1/1	1/1	1/1
Alarm In/Out	9/4	9/4	7/2	7/2	7/2
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP66	IP66	IP66	IP66	IP66
Operating Temperature	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	36 VDC, Max. 150W	36 VDC, Max. 150W	36 VDC/PoE++ (802.3bt), Max. 45W	36 VDC/PoE++ (802.3bt), Max. 45W	36 VDC/PoE++ (802.3bt), Max. 45W
Product Size	594 × 350 × 337 mm	594 × 350 × 337 mm	≡226 × 362.8 mm	≡226 × 362.8 mm	≡226 × 362.8 mm

Thermal Cameras

	Explosion-proof Series			
Model	SN-TPH4203DA-F/M	SN-TPH6406DA-F/M(III)	SN-TPT4233PA-F/M	SN-TPH6436PA-F/M
Appearance				
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Pitch (Thermal)	17μm	12μm	17μm	12μm
Sensitivity (NETD)	≤40mK	≤40mK	≤40mK	≤40mK
Resolution (Thermal)	400 × 300	640 × 512	400 × 300	640 × 512
Sensor (Optical)	-	-	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max. Resolution (Optical)	-	-	2592 × 1520	2592 × 1520
Lens	-F: 8, 15, 25, 35 or 50 mm -M: 25 or 50 mm	-F: 9, 15, 25, 35 or 50 mm -M: 25 or 50 mm	Thermal: -F: 8, 15, 25, 35 or 50 mm -M: 25 or 50 mm Optical: 5.3 to 159 mm	Thermal: -F: 9, 15, 25, 35 or 50 mm -M: 25 or 50 mm Optical: 5.3 to 159 mm
FOV (Thermal)	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°	8 mm: 46° ×35.3°, 15 mm: 25.5° ×19.2° 25 mm: 15.4° ×11.6°, 35 mm: 11° ×8.3° 50 mm: 7.7° ×5.8°	9 mm: 48° × 38°, 15 mm: 32° × 26° 25 mm: 17° × 14°, 35 mm: 12° × 10° 50 mm: 8° × 7°
Temperature Range	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)	-20°C to 150°C (-4°F to 302°F)
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm		Threshold alarm, Temperature difference alarm, Temperature section alarm, Temperature rise alarm	
Measurement Rule	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)	3 temperature measurement rule types (spot, areas, line)
Smart Function	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection	Temperature detection, Smoke and Fire detection, fire point detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting		Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of human and vehicles) , People counting	
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	2/1	2/1	5/1	5/1
Memory Slot	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB	Micro SD, Max. 256 GB
Ingress Protection	IP68	IP68	IP68	IP68
Operating Temperature	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)	From -40°C to 60°C (-40°F to 140°F)
Power	100 to 240 VAC, Max. 25W	100 to 240 VAC, Max. 25W	100 to 240 VAC, Max. 75W	100 to 240 VAC, Max. 75W
Product Size	464 × 166 × 171 mm	464 × 166 × 171 mm	567 × 360 × 494 mm	567 × 360 × 494 mm

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

2/4/8 HDD
4K Display
RAID
Spot Monitor
Real-time Comparison
Smart Event Alarm
Alarm Classification Retrieval
Database
People Counting
Attendance Management
Temperature Gragh Display
Picture Grid

Pro Series

	8HDD NVR			
Model	SN-NVR3932E8-J	SN-NVR3964E8-J	SN-NVR3964E8-P16-J	SN-NVR3964E8-JR
Appearance				
Video Inputs	32 Channels	64 Channels	64 Channels	64 Channels
Incoming/Outgoing Bandwidth	320Mbps/320Mbps	400Mbps/400Mbps	400Mbps/400Mbps	400Mbps/400Mbps
Max. Decoding	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1, 64ch D1	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1, 64ch D1	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1, 64ch D1
Recording Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Display	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA
Max. HDD	8x16TB	8x16TB	8x16TB	8x16TB
RAID	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10
eSATA	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	16/6	16/6	16/6	16/6
Network Interface	2x1000M Ports	2x1000M Ports	2x1000M Ports	2x1000M Ports
PoE Port	-	-	16 Ports (IEEE802.3at/af), Max 140W	-
USB Port	2xUSB 2.0, 2xUSB3.0	2xUSB 2.0, 2xUSB3.0	2xUSB 2.0, 2xUSB3.0	2xUSB 2.0, 2xUSB3.0
Power	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC≡ Redundant power supply ≤ 15W (Without HDD
Smart Function	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.

Pro Series

	4HDD/2HDD NVR					
Model	SN-NVR3932E4-J	SN-NVR3932E4-P16-J	SN-NVR3964E4-J	SN-NVR3964E4-P16-J	SN-NVR3908E2-P8-J	SN-NVR3916E2-P16-J
Appearance						
Video Inputs	32 Channels	32 Channels	64 Channels	64 Channels	8 Channels	16 Channels
Incoming/Outgoing Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps	400Mbps/400Mbps	400Mbps/400Mbps	80Mbps/80Mbps	160Mbps/160Mbps
Max. Decoding	1ch 12MP, 4ch 4MP, 9ch 1080P, 16ch D1, 32ch D1	1ch 12MP, 4ch 4MP, 9ch 1080P, 16ch D1, 32ch D1	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1, 64ch D1	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch D1, 64ch D1	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1
Recording Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Display	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max. HDD	4×16TB	4×16TB	4×16TB	4×16TB	2×12TB	2×12TB
RAID	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10	RAID 0/1/5/6/10	-	-
eSATA	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface	1 eSATA interface
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	16/4	6/2	16/6	16/6	6/2	6/2
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	8 Ports (IEEE802.3at/af), Max 80W	16 Ports (IEEE802.3at/af), Max 128W
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, 1×USB3.0	2×USB 2.0, 1×USB3.0
Power	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)
Smart Function	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.

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

	2HDD NVR				
Model	SN-NVR3808E2-P8-J (III)	SN-NVR3816E2-J (III)	SN-NVR3816E2-P16-J (III)	SN-NVR3832E2 (III)	SN-NVR3832E2-P16 (III)
Appearance					
Video Inputs	8 Channels	16 Channels	16 Channels	32 Channels	32 Channels
Incoming/Outgoing Bandwidth	80Mbps/80Mbps	160Mbps/160Mbps 112Mbps/112Mbps with AI on	160Mbps/160Mbps 112Mbps/112Mbps with AI on	160Mbps/80Mbps	160Mbps/80Mbps
Max. Decoding	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1, 32ch D1	1ch 12MP, 4ch 4MP, 8ch 1080P, 16ch D1, 32ch D1
Recording Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max. HDD	2×12TB	2×12TB	2×12TB	2×12TB	2×12TB
RAID	-	-	-	-	-
eSATA	-	-	-	-	-
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	8/1	8/1	8/2	8/1	8/2
Network Interface	1×1000M Ports	2×1000M Ports	1×1000M Ports	2×1000M Ports	1×1000M Ports
PoE Port	8 Ports (IEEE802.3af/at), Max 128W	-	16 Ports (IEEE802.3af/at), Max 128W	-	16 Ports (IEEE802.3af/at), Max 128W
USB Port	3×USB 2.0	2×USB 2.0	3×USB 2.0	2×USB 2.0	3×USB 2.0
Power	100 to 240 VAC ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)	100 to 240 VAC ≤ 15W (Without HDD)
Smart Function	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	-	-

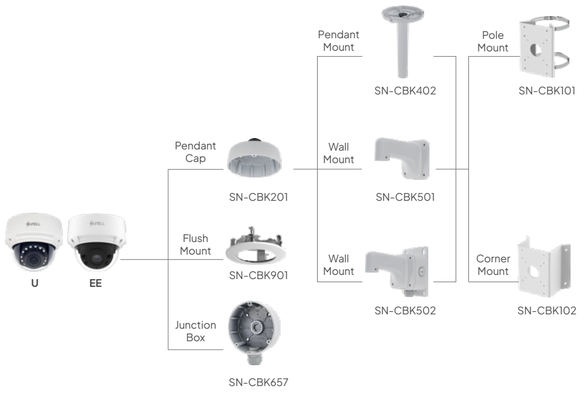
Eco Series

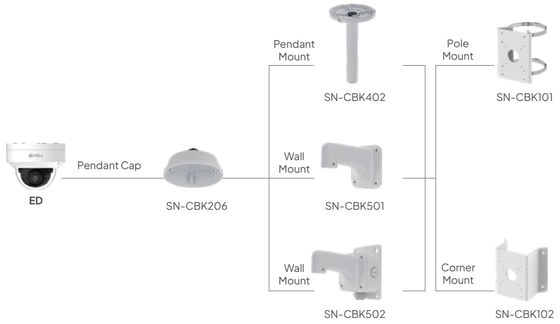
	1HDD NVR			
Model	SN-NVR3804E1-J (III)	SN-NVR3804E1-P4-J (III)	SN-NVR3808E1-J (III)	SN-NVR3808E1-P8-J (III)
Appearance				
Video Inputs	4 Channels	4 Channels	8 Channels	8 Channels
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	40Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max. Decoding	1ch 12MP, 4ch 4MP	1ch 12MP, 4ch 4MP	1ch 12MP, 4ch 4MP, 8ch 1080P	1ch 12MP, 4ch 4MP, 8ch 1080P
Recording Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Display	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA
Max. HDD	1×12TB	1×12TB	1×12TB	1×12TB
RAID	-	-	-	-
eSATA	-	-	-	-
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	4/1	4/1	4/1	8/1
Network Interface	2×100M Ports	1×100M Ports	2×100M Ports	1×1000M Ports
PoE Port	-	4 Ports (IEEE802.3af), Max 32W	-	8 Ports (IEEE802.3af), Max 72W
USB Port	2×USB 2.0	3×USB 2.0	2×USB 2.0	3×USB 2.0
Power	DC12V/3A ≤ 15W (Without HDD)	DC48V/1.25A ≤ 15W (Without HDD)	DC12V/3A ≤ 15W (Without HDD)	DC48V/2A ≤ 15W (Without HDD)
Smart Function	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.	Deep learning-based video analysis, AI recognition, or intrusion detection with 4 channels based on human and vehicle detection.

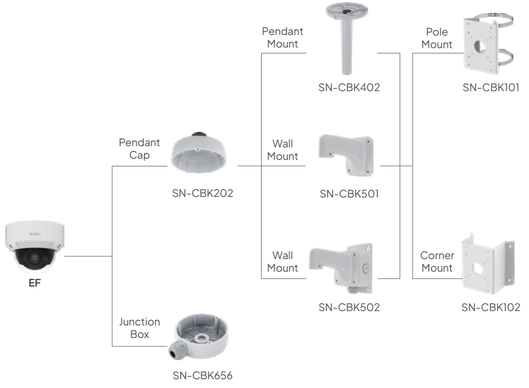
Lite Series

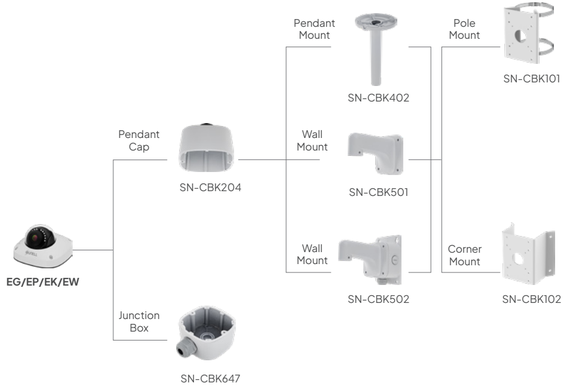
	1HDD NVR	
Model	SN-NVR3704E1-P4	SN-NVR3708E1-P8
Appearance		
Video Inputs	4 Channels	8 Channels
Incoming/Outgoing Bandwidth	40Mbps/40Mbps	40Mbps/40Mbps
Max. Decoding	1ch 8MP, 4ch 1080P	1ch 8MP, 4ch 1080P, 8ch D1
Recording Resolution	8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Display	1HDMI, 1VGA	1HDMI, 1VGA
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 ≤ 5W (Without HDD)	DC48V/1.25A ≤ 5W (Without HDD)
Smart Function	-	-

Dome Camera Mount

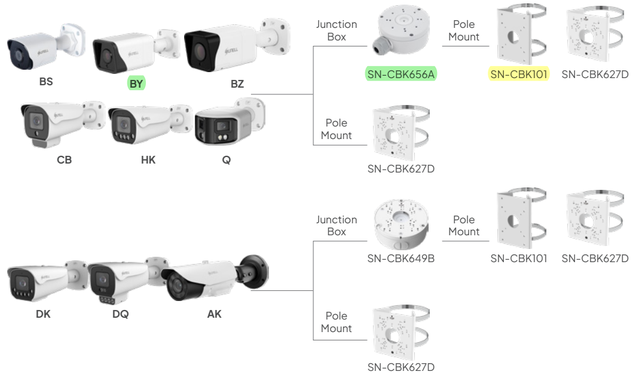


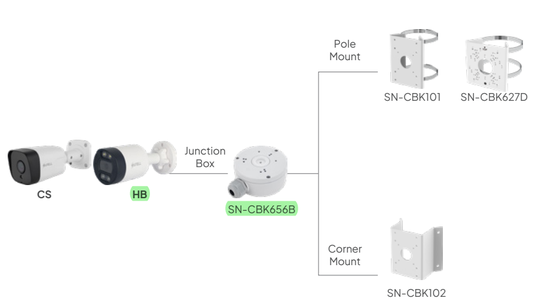




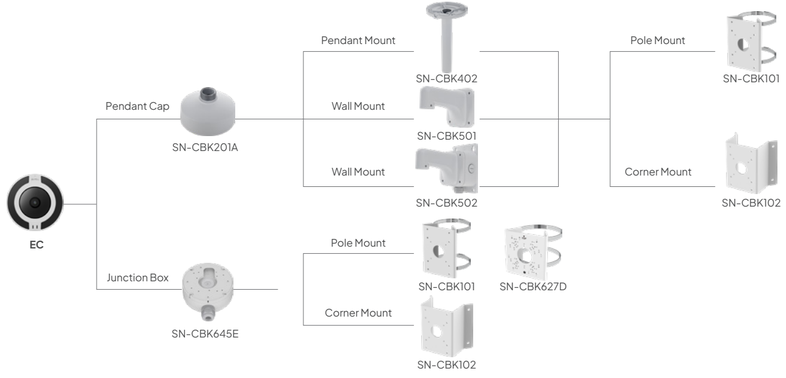


Bullet Camera Mount

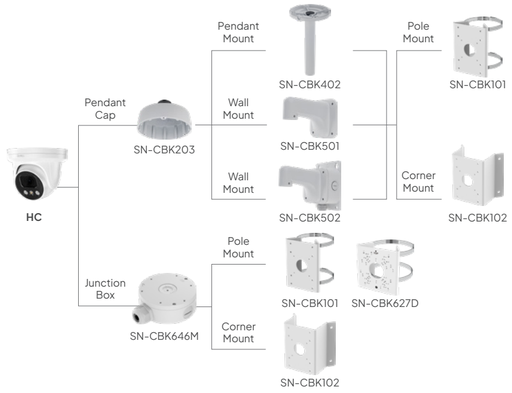


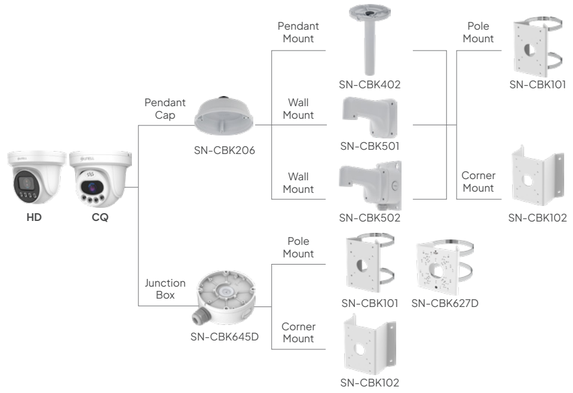


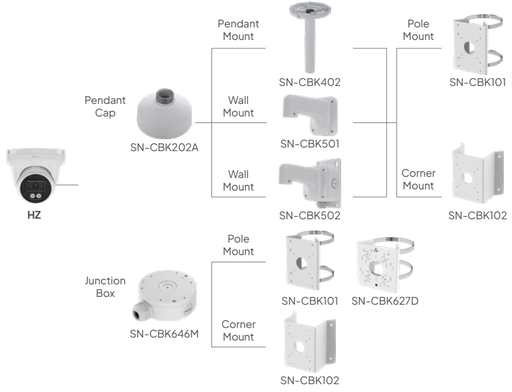
Fisheye Camera Mount

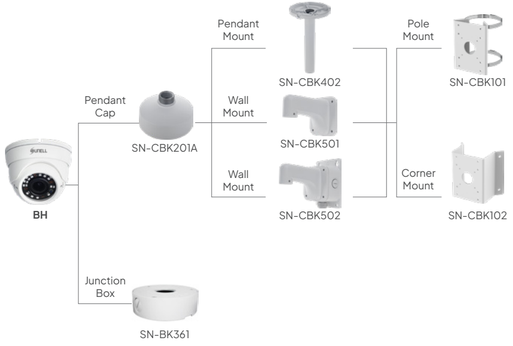


Turret Camera Mount

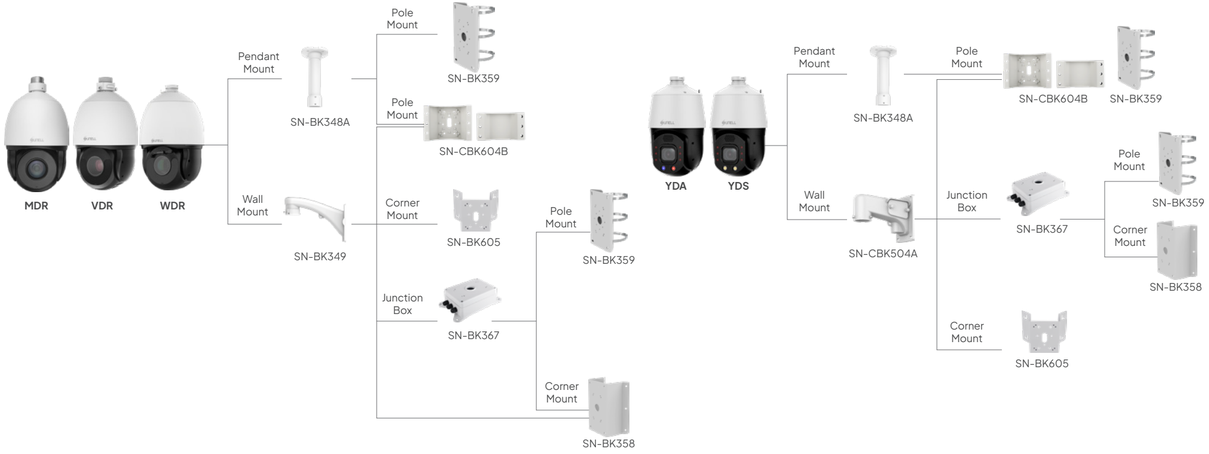


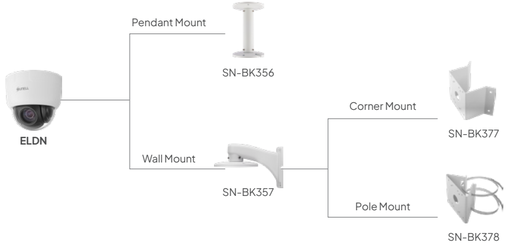


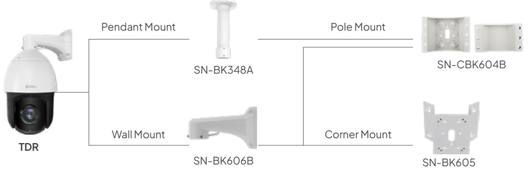




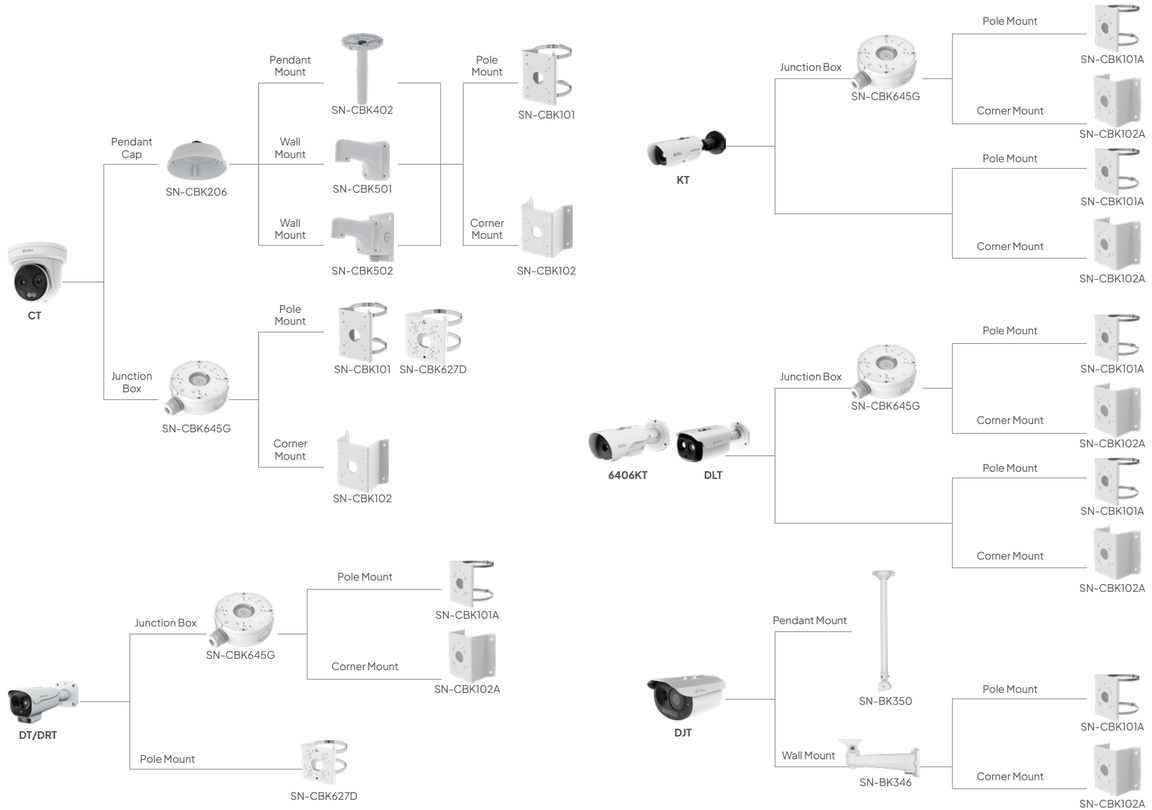
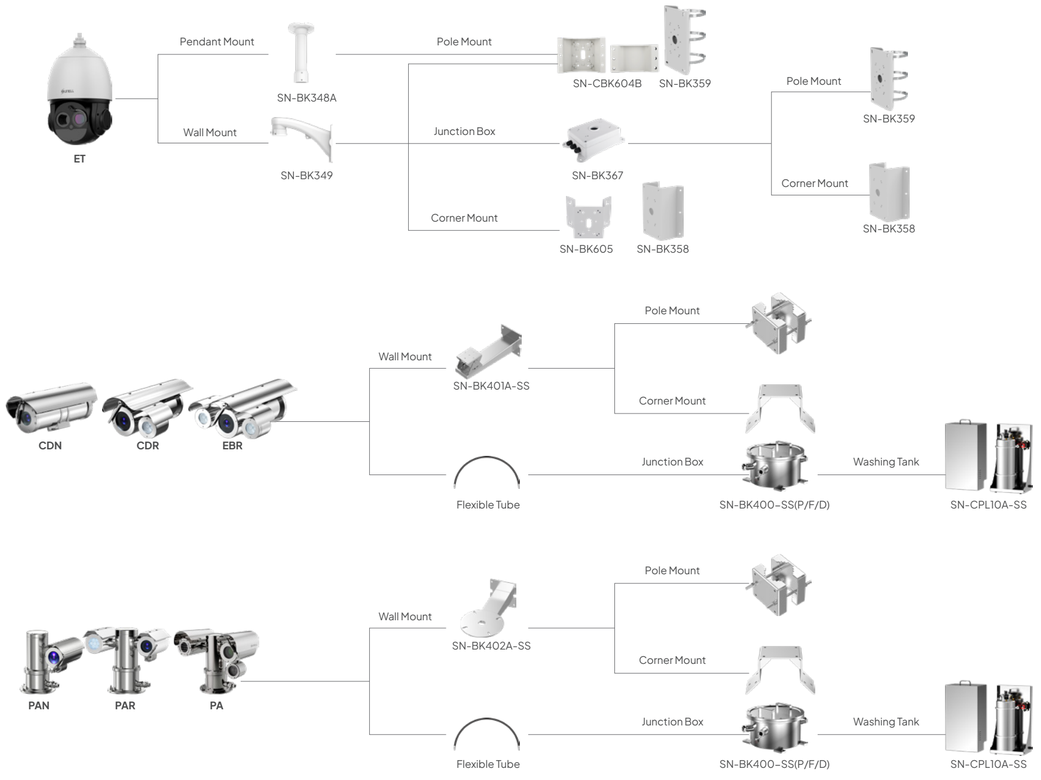
PTZ Camera Mount







Thermal Camera Mount



Thermal Camera Mount