



AI & Video Analytics • Video Management • Radar • Cloud Solutions

GLOBAL AI VIDEO SOLUTION PROVIDER

PRODUCT GUIDE OCTOBER 2023

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We are entrepreneurs and think along with the entrepreneur

We are people people. Loving people and working with people.
 Just doing business honestly and sincerely. No nonsense. direct and to the point.
 Going to the extreme for the customer.
 Treat the customer the way you want to be treated

Doing Business. How do we do that?

Sales: our products are not offered via the internet, we choose our Partners carefully, we train our partners and go with them on the road.

Support: selling a camera is not that difficult but offering real support and developing both the partners and the end customer is what we aim for. We help the Partners by giving a demonstration on location, you can also try the products yourself for 30 days. If you want a FAT or SAT test, this is also possible. We can also pre-program the Products so that our Partners on location can work much faster and smarter. With knowledge of infrastructures, project planning, video management software, storage, data networks, workplace design, pre / after sales support and training / training courses, DSI Benelux is more than a box shifter .

As a value-add distributor, DSI designs and supplies professional camera solutions (CCTV), in combination with SaaS (Security as a Service) according to the latest technology; IP or CLOUD. This makes it possible to consult your images anywhere, anytime, both live and recorded. Our digital, network-based surveillance systems include cameras, video servers, Network Video Recorders (NVRs), active components and analytical video management software. Thanks to our many years of experience and the obtained certifications in the field of banks and transport, we can call ourselves a real specialist

Security as a Service

Total unburdening of your entire CCTV project at you or your partner by:

- Turnkey CCTV solutions from IP camera to Video Management Servers to the installation of your new security network;
- Delivery and commissioning;
- Training for you and your customers;
- Service Level Agreements up to 99.97% for your CCTV equipment;
- Monitoring of your complete CCTV system from IP camera to internet connection;

Data Protection and Cybersecurity

All Sunell products are equipped with a Cyber Crime Platform in which a comprehensive password menu, SRTP encryption (encryption of image metadata and audio from IP camera to storage medium or third parties), HTML5 (no active X downloads), VPN, AES256 encryption and Multifactor Authentication are accommodated

Not talking but doing

"Made in Europe" has rarely been as important in B2B video surveillance as it is today – reliable supply chains, cybersecurity and data protection as well as ethical responsibility are merely the most significant of the aspects it addresses.

DSI assembles together with their partners its camera and recording systems as well as all major software components at 3 locations in Europe(Netherlands- Germany and Poland). The result are modern, GDPR-compliant video surveillance systems. All used components are NDAA-TAA compliant and coming from AAA- suppliers like Sony - Tamron and NXP. Only European steel(Dillux metal) and paint(Sikkens Rubbol) are used for the camera housings.

Environment

Attention to sustainable production has been an essential subject for DSI/Sunell since 2010. DSI/Sunell has a proactive approach to preventing and continuously reducing the environmentally harmful aspects of business operations. Furthermore, DSI/Sunell focuses on making CCTV Products produced in-house more sustainable.

Each product is equipped with an ECO power supply. Cameras can be connected via ECO PoE.

Today, more than 53% of Sunell' products are made from recycled materials. Furthermore, a recycling program has been set up to take back old CCTV products. These are then generated by an external organization. Packaging materials are looked at very critically. Cardboard is made of recycled material and any protective plastic used is environmentally degradable.

Sunell products are manufactured in two factories located in Vietnam and Germany. Both factories work on the basis of Wind and Sunlight. The collected electricity from the solar panels together with the 2 wind turbines per factory are sufficient to collect the own electricity supply. Power that is left over is returned to the energy company.

DSI offices are certified as “Green company.” Only chlorine -free paper is used, printed as little as possible and company cars meet the highest environmental requirements. Commercial vehicles are equipped with a hybrid and/or electric drive. All our suppliers are screened for this and must issue a statement that shows that they do not use child labor.



Factories in

Shenzhen – Taiwan –Vietnam - Leipzig

Offices in

Amsterdam - Leipzig

Warehouses in

Amsterdam - Leipzig

Employees

14

Certifications:

- ISO9001
- ISO27001
- TAPA
- VCA
- VDS



Company



Advisor

- Single point of Contact
- Projectspecialist

Technical

- Projectdepartment
- Field engineers

Certification

- Cisco CCNA I and II
- Aries V certified Server +
- Microsoft MCSA Certified Partner
- VCA

Support

- Delivery project
- Training to partners and end users
- ONVIF PSIA- SDK- API-integration development



Staff



Production

- Shenzhen(Chinese Market)
- Taiwan-Vietnam-Leipzig(NDAA-TAA Products - Software-Interfaces- Controle Malware)

Warranty

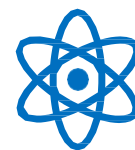
- Full 7 year
- Insurance against DOA and installation

Stock

- 2 locations
- 98,7% out of Stock
- Free House Benelux



Products



UL and TÜV Certification

DGÜV en LGC Test

TAPA Certification

DIN 50134-4 Transport

NEN 50126/50155

VDS Certification



Certifications



SRTP Encryption

ENCRIPTION Key Management

Multi-factor Authentication (KEYTALK)

- Man in the Middle Protection

Strong Password Policy

- min. 8 characaters
- Password Age



Real Security



Malware free

Fraud Controle

- Europe
- USA

CyberSecurity Management Solution

- Multi Layer Protection
- CyberSecurity alarm Management
- Event Reports on Dashboard



Malware Free



Linux Certified Sysadm Cisco CCNA I and II

Aries Certified server+

Microsoft MCSA/HTML5/CSCI certified partner

Redhat Certified Partner



ICT Infrastructure



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



Startlight



Sound and Light Alarm



True WDR



Two-way Audio



Alarm In/Out



Memory Slot



IPC SmartVu Series

NDA A

H.265+ Active Deterrence Bullet Camera			TOF People Counting Camera	
Model	SNIPR8080DQAAZ	SNIPR8050DQAAZ	SNIPR8050EKAAB	SNIPR2010DLB
Appearance			 NEW	
Image sensor	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	Infrared Time-of-Flight Depth sensor, Max. resolution 320 × 240
Lens	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)	2.8mm/F2.0	4.1mm/F1.6
FOV-H	H: 98.1° ~ 30.9°, V: 52.6° ~ 17.3°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°	H: 93.4°, V: 69.1°	H: 92.5°, V: 67°
Day and Night	ICR	ICR	ICR	Installation Height: 2 ~ 2.8 m
Min. Illumination(lux)	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)	Counting accuracy : 99%
WDR	True WDR	True WDR	True WDR	Recognition time : 25 ms
IR Distance	Up to 40m	Up to 40m	Up to 30m	Horizontal effective statistical distance and installation height : 1:1
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	2592×1944 (5MP)	Max No. of People Detection: 3 ~ 5 per sec
Max. Frame Rate	25/30fps@ 8MP	25/30fps@ 5MP		
Smart Function	Support Face, Human, Vehicle Detection Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, 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
Ingress Protection	IP67/IK10	IP67/IK10	IP67/IK10	IP66/IK10
Operating Temperature	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Product Size	303 × 100 × 107mm	303 × 100 × 107mm	99.5 × 99.5 × 63.3mm	131 × 55 × 82mm

IPC SmartVu Series


NDA A

H265+ Active Deterrence Turret Camera				
Model	SNIPR8080HCAAB	SNIPR8050HCAAB	SNIPR8080CQAAZ	SNIPR8050CQAAZ
Appearance				
Image sensor	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV-H	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 98.1° ~ 30.9°, V: 52.6° ~ 17.3°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	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: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux @ (IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 30m	Up to 30m	Up to 40m	Up to 40m
Max. Resolution	3840×2160 (8MP)	2592×1944 (5MP)	3840×2160 (8MP)	2592×1944 (5MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps@ 5MP	25/30fps@ 8MP	25/30fps@ 5MP
Smart Function	Support Face, Human, Vehicle Detection Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, 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
Ingress 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)
Product Size	φ118 × 94mm	φ118 × 94mm	φ140 × 119.2mm	φ140 × 119.2mm


NETWORK CAMERAS

Ultra Series


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




Full Color




Ultra Starlight




Deep Learning Algorithm




Human/Vehicle Detection




People Counting




Smart Event




True WDR



Two-way Audio



Alarm In/Out



Memory Slot







IPC Ultra Series



Model	H265+ Full-color Panoramic Camera			H265+ 12MP Camera	
	SNIPP5790DDNB	SNIPR8085QAWB	SNIPV8088ECARB	SNIPR5780AKDNZ	SNIPC5780HDNF
Appearance					
Image sensor	Four 1/1.8" STARVIS™ CMOS	DUAL 1/2.8" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS	1/1.7" STARVIS™ CMOS
Lens	2.2mm/F2.0	2.8mm/F1.6	1.83mm/F2.4	4.1~12.8mm/F1.53	CS-Mount Lens
FOV-H	H: 360°, V: 360°	H: 180°, V: 180°	H: 180°, V: 180°	H: 98°~34.5°	-
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.002Lux@ (F2.2, AGC ON) B/W: 0.0002Lux@ (F2.2, AGC ON)	Color: 0.0001Lux@ (F1.2,AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2,AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2,AGC ON); B/W: 0Lux@(IR LED ON)	Color: 0.009Lux@ (F1.2, AGC ON) B/W: 0.0009Lux@ (F1.2, AGC ON)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR
Illumination Distance	-	Up to 15m	Up to 15m	Up to 80m	-
Max. Resolution	7680×4320 (8K)	5120×1440 (8MP)	4000×3000 (12MP)	4000×3000 (12MP)	4000×3000 (12MP)
Max. Frame Rate	25fps @32MP	25/30fps @8MP	20fps @12MP	20fps @12MP	20fps @12MP
Smart Function	-	Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad, Heatmap for Panoramic camera's			
Audio In/Out	1/I, Built-in 2ch Mic	1/I, Built-in Mic	1/I, Built-in Mic	1/I	1/I, Built-in Mic
Alarm In/Out	1/I	1/I	1/I	1/I	1/I
Memory Slot	-	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Ingress Protection	IP66/IK10	IP67/IK10	IP66/IK10	IP67/IK10	-
Operating Temperature	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-20°C~50°C (-4°F~122°F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/AC24V/POE (802.3af)
Product Size	1122× 1122 × 90mm	φ162 × 52.2mm	φ130 × 38.3mm	φ110 × 37.5mm	150.2 × 75 × 69.7mm



IPC Ultra Series



H265+ Full-Color Turret Camera		H265+ Full-Color Bullet Camera		
Model	SNIPR8081HDAWB	SNIPR8041HDAWB	SNIPR8081DQANZ	SNIPR8041DQANZ
Appearance				
Image sensor	1/1.8" STARVIS CMOS	1/1.8" STARVIS CMOS	1/1.8" STARVIS CMOS	1/1.8" STARVIS CMOS
Lens	4mm/F1.0	4mm/F1.0	3.6~11mm/F1.3 (Motorized)	3.6~11mm/F1.3 (Motorized)
FOV-H	H: 90.3°, V: 48.1°	H: 88.7°, V: 48.2°	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 95.7°~45.6°, V: 51.3°~25.5°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.005 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light
WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 20m	Up to 20m	Up to 60m	Up to 60m
Max. Resolution	3840×2160 (8MP)	2560×1440 (4MP)	3840×2160 (8MP)	2560×1440 (4MP)
Max. Frame Rate	25/30fps@ 8MP	25/30fps @4MP	25/30fps@ 8MP	25/30fps @4MP
Smart Function	Support Face, Human, Vehicle Detection and Capture Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, 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
Ingress Protection	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)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Product Size	φ140 × 119.2mm	φ140 × 119.2mm	303 × 100 × 107mm	303 × 100 × 107mm

IPC Ultra Series



H265+ LPNR Big Bullet Camera		H 265+ ATM GEA Camera	
Model	SNIPR5720AKDNTZ	NEW SNMNC5120AGB	SNMNC8120KBB
Appearance			 NEW
Image sensor	1/1.8" STARVIS CMOS	1/1.8" CMOS	1/1.8" STARVIS CMOS
Lens	2.7~13.5mm/F1.6 (Motorized)	2.8 /3.7mm/F1.2	2.8 mm/F1.2
FOV-H	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 95.7°~45.6°, V: 51.3°~25.5°	H: 113.9°, V: 60.2°
Day and Night	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.0005 Lux @(F1.0, AGC ON), 0 Lux with Light	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
IR Distance	Up to 80m	-	-
Max. Resolution	1920×1080 (2MP)	2560×1440 (4MP)	2560×1440 (4MP)
Max. Frame Rate	50/60fps @2MP	50/60fps @1080P	25fps @4MP
Smart Function	Support Face, Human, Vehicle Detection, Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting		
Audio In/Out	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic	1/I, 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
Ingress Protection	IP67/IK10	IP55/IK10	IP55/IK09
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)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE injector optional (802.3af)
Product Size	φ110 × 375.5mm	φ140 × 119.2mm	Camera: 16x22x22mm (0.63x0.87x0.87inch) Main body: 77.5x69x26mm (3.05x2.72x1.02inch)

NETWORK CAMERAS





Pro Series

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



IPC Pro Series



H265+ Full-color Bullet Camera		H265+ Full-color Turret Camera		
Model	SNIPR8080HCANB	SNIPR8050HCANB	SNIPR8080HDANZ	SNIPR8050HDANZ
Appearance				
Image sensor	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS
Lens	2.8mm/F2.0	2.8mm/F2.0	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV-H	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°	H: 87.5° ~ 26°, V: 64.8° ~ 19.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color:0.01Lux @(F1.2, AGC ON) 0 Lux with Light	Color:0.03Lux @(F1.6, AGC ON) 0 Lux with Light	Color:0.01Lux @(F1.2, AGC ON) 0 Lux with Light	Color:0.03Lux @(F1.6, AGC ON) 0 Lux with Light
WDR	True WDR	True WDR	True WDR	True WDR
Illumination Distance	Up to 30m	Up to 30m	Up to 20m	Up to 20m
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @8MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/1, Built-in Mic, 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
Ingress Protection	IP67/IK10	IP67/IK10	IP66/IK10	IP66/IK10
Operating Temperature	-40°C~-55°C (-40°F~131°F)	-40°C~-55°C (-40°F~131°F)	-40°C~-55°C (-40°F~131°F)	-40°C~-55°C (-40°F~131°F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Product Size	φ118×94 mm	φ118×94 mm	φ118 × 94mm	φ118 × 94mm

IPC Pro Series



H265+ Vari-focal Bullet Camera				
Model	SNIPR8080DQANZ	SNIPR8050DQANZ	SNIPR8080AKANZ	SNIPR8050AKANZ
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	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 87.5°~26°, V: 64.8°~19.9°	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 87.5°~26°, V: 64.8°~19.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color:0.01Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.2, 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
IR Distance	Up to 60m	Up to 60m	Up to 80m	Up to 80m
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @8MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, Built-in Mic, Built-in Speaker	1/I, 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
Ingress Protection	IP66/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)
Product Size	303 × 100 × 107mm	303 × 100 × 107mm	φ110 × 375.5mm	φ110 × 375.5mm

IPC Pro Series




H265+ Cable Free Mini Dome Camera		H265+Cable Free Vari-focal Dome Camera		
Model	SNIPD8080EPARB	SNIPD8050EPARB	SNIPV8080EDARZ	SNIPV8050EDARZ
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	2.7~13.5mm/F1.6 (Motorized)	2.7~13.5mm/F1.6 (Motorized)
FOV-H	H: 97.4°, V: 52.5°	H: 93.4°, V: 69.1°	H: 98.1°~30.9°, V: 52.6°~17.3°	H: 87.5°~26°, V: 64.8°~19.9°
Day and Night	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color:0.01Lux @(F1.2, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.03Lux @(F1.6, AGC ON) B/W:0Lux @(IR LED ON)	Color:0.01Lux @(F1.2, 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
IR Distance	Up to 15m	Up to 15m	Up to 40m	Up to 40m
Max. Resolution	3840 × 2160 (8MP)	2592 × 1944 (5MP)	3840 × 2160 (8MP)	2592 × 1944 (5MP)
Max. Frame Rate	25/30fps @8MP	25/30fps @5MP	25/30fps @8MP	25/30fps @5MP
Smart Function	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting			
Audio In/Out	1/I, Built-in 1ch Mic	1/I, Built-in 1ch Mic	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
Ingress Protection	IP55/IK09	IP55/IK09	IP66/IK10	IP66/IK10
Operating Temperature	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)	-40°C~55°C (-40°F~131°F)
Power	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)	DC12V/POE (802.3af)
Product Size	99.5 × 99.5 × 63.3mm	99.5 × 99.5 × 63.3mm	φ140 × 110mm	φ140 × 110mm


NETWORK CAMERAS

Network PTZ Series


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




Deep Learning Algorithm




Human/Vehicle Detection




People Counting




Starlight




2MP-5MP




Auto Iris




Smart Event




Intelligent Tracking




True WDR



Two-way Audio



Alarm In/Out



Memory Slot



Network PTZ Cameras



	H265+ 6" IR PTZ Camera		H265+ 7" IR PTZ Camera		H265+ 7" Laser PTZ Camera
Model	SNIPS5943TDRZ30	SNIPS8650TDRZ30	SNIPS5943MDRZ40	SNIPS5943MDRZ30	SNIPS8659SDRZ30
Appearance					
Image Sensor	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS	1/2.8" STARVIST™ CMOS
Lens	5.3~159mm, F1.6~F4.3	5.3~159mm, F1.6~F4.3	40X, 4.98~199.3mm, F1.2~F3.5	30X 5.3~159mm, F1.6~F4.3	30X, 4.5~135mm, F1.6~F4.4
FOV-H	H: 55°~2.3°, V: 41.6°~1.7°	H: 55°~2.3°, V: 41.6°~1.7°	59.1°~1.8°	H: 55°~2.3°, V: 41.6°~1.7°	59.8°~2.34°
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux@(F1.6,AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux@(F1.6,AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.07Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	Up to 150m	Up to 150m	Up to 200m	Up to 150m	Up to 400m
Max. Resolution	2592×1520 (4MP)	2560x1920(5MP)	2592×1520 (4MP)	2560×1440 (4MP)	2560×1920 (5MP)
Frames Per Second	25/30fps @4MP	25/30fps @5MP	25/30fps @4MP	25/30fps @4MP	20fps @5MP
Intelligent Video	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Alarm In/Out	2/1	2/1	2/2	2/2	2/2
Memory Slot	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
Operating Temperature	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)
Power	DC12V/POE+ (802.3at)	DC12V/POE+ (802.3at)	AC24V/Hi-POE (Adapter optional)	AC24V/Hi-POE (Adapter optional)	AC24V/Hi-POE (Adapter optional)

H265+ 5" PTZ Camera		H265+ 5" IR Mini PTZ Camera		H265+ 7" IR PTZ Camera	
Model	SNIPS5940ELDNZ12	SNIPS5940CDRZ12	SNIPS5950CDRZ12	SNIPS5921MDRZ37	SNIPS5921MDRJ2Z37
Appearance					
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2" STARVIS™ CMOS	1/2" STARVIS™ CMOS
Lens	12x, 4.7~56.4mm, F1.6~F3.0	12X, 4.7~56.4mm, F1.6~F3.0	12X, 4.7~56.4mm, F1.6~F3.0	37X, 6~222mm, F1.5~F4.3	37X, 6~222mm, F1.5~F4.3
FOV-H	H: 60.9°~6.43°, V: 40.1°~4.1°	60.9°~6.43°	60.9°~6.43°	58.4°~2.1°	58.4°~2.1°
Day and Night	ICR	ICR	ICR	ICR	ICR
Min. Illumination(lux)	Color: 0.01Lux@(F1.6, AGC ON) B/W: 0Lux@(IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON) B/W: 0Lux@(IR LED ON)	Color: 0.01Lux@(F1.2,AGC ON) B/W: 0Lux@(IR LED ON)	Color: 0.001Lux@(F1.2,AGC ON) B/W: 0Lux@(IR LED ON)	Color: 0.001Lux@(F1.2,AGC ON) B/W: 0Lux@(IR LED ON)
WDR	True WDR	True WDR	True WDR	True WDR	True WDR
IR Distance	-	Up to 80m	Up to 80m	Up to 200m	Up to 200m
Max. Resolution	2592×1520 (4MP)	2592×1520 (4MP)	2560×1920 (5MP)	1920×1080 (1080P)	1920×1080 (1080P)
Frames Per Second	25/30fps @4MP	25/30fps @4MP	25/30fps @5MP	50/60fps @2MP	50/60fps @2MP
Intelligent Video	Standard analytics	Standard analytics	Standard analytics	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting	
Audio In/Out	-	1/1	1/1	1/1	1/1
Alarm In/Out	-	2/1	2/1	7/2	7/2
Memory Slot	-	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB
Ingress Protection	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10
Operating Temperature	-30℃~60℃ (-22°F ~140°F)	-50℃~60℃ (-58°F ~140°F)	-50℃~60℃ (-58°F ~140°F)	-55℃~60℃ (-67°F ~140°F)	-55℃~60℃ (-67°F ~140°F)
Power	DC12V/POE (802.3af)	DC12V/POE+ (802.3at)	DC12V/POE+ (802.3at)	AC24V/Hi-POE (Adapter optional)	

Standard analytics: Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Left, Object Removed, Abnormal Speed, Converse, Illegal Parking

PTZ Series

Sunell PTZ series cameras cover entry level, standard level and enhanced level, meet different customers’ requirements.

Mini PTZ camera which targets to entry level market is featured with built in microphone, speaker and wifi, suitable for retail market. The standard and enhanced PTZ camera are suitable for vertical industry projects with up to 55x optical zoom, 4K, 60fps, LightHunter, long range IR distance, WDR, abundant interface and IK10. Specialized camera such as TeleView can be adopt in forest, harbor and city monitoring project.

Besides, View+ PTZ cameras based on deep learning algorithm can realize target classification and attributes extraction, support advanced smart functions including face capture, perimeter protection, people counting, auto-tracking and video metadata.

Excellent Image Performance

Powered by LightHunter, the PTZ series camera can perform well in low illumination environment. Besides, built in car-grade LED, PTZ series cameras support up to 250m IR.

View+

View+ Built in powerful chipset, the View+ series PTZ cameras adopt deep learning algorithm to realize smart functions. These PTZ cameras support face capture (extract face attributes), perimeter protection (target classification, only human or vehicle trigger alarm, filter most of false alarm), auto-tracking (target classification, track human or vehicle), people counting, video metadata (vehicle, human, non-motor vehicle snapshot and attributes extraction).



- SNIPS5730MDLZSD30**
- 5MP(2560*1920)
 - 30X optical zoom, 4.5~135 mm motorized lens
 - LightHunter, minimum 0.003 Lux illumination
 - Active deterrence, effectively expel intruders
 - Smart intrusion prevention, enjoy false alarm reduction
 - White light, provide clear details
 - 2-way Talk, built-in Mic & Speaker
 - Smart Laser IR till 400 mtr
 - Support POE+
 - IK10/IP67



- SNIPS5950CDRZ12**
- 5MP(2560*1920)
 - 12X optical zoom, 24.7~56.4 mm motorized lens
 - LightHunter, minimum 0.003 Lux illumination
 - Active deterrence, effectively expel intruders
 - Smart intrusion prevention, enjoy false alarm reduction
 - White light, provide clear details
 - 2-way Talk, built-in Mic & Speaker
 - Support POE
 - IK10/IP67



- SNIPS5943TDRZ30**
- 5MP(2560*1920)
 - 30X optical zoom, 5.3~159 mm motorized lens
 - LightHunter, minimum 0.003 Lux illumination
 - Active deterrence, effectively expel intruders
 - Smart intrusion prevention, enjoy false alarm reduction
 - White light, provide clear details
 - 2-way Talk, built-in Mic & Speaker
 - Smart IR II Ir till 150mtr
 - Support POE+
 - IK10/IP67



THERMAL CAMERAS

Temperature Measurement Series


- Temperature measurement accuracy $\pm 0.3^{\circ}\text{C}$ (with calibrator)
- Can be standalone use or work with NVR/Sunview
- Audio warning on abnormal temperature



	0.3~1.2m		2~3m		3~5m		Accuracy
	Facial Mask Detection		Audio Warning		Self-defined Detection Area		Two-way Audio
	I/O Alarm		Bi-spectrum		IP66		

Thermal Cameras



H265+ Face Recognition Terminal Series		
Model	SNM2207NTB	SNM2207NTDB
Appearance		
Thermal Image Sensor	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox
Thermal Sensor Resolution	120×90	120×90
Visual Image Sensor	1/28" 2MP Progressive Scan CMOS	1/28" 2MP Progressive Scan CMOS
Visual Max Resolution	1920(H)×1080(V)	1920(H)×1080(V)
Temperature Range	28 °C to 42 °C (82.4°F to 107.6°F)	28 °C to 42 °C (82.4°F to 107.6°F)
Measurement Deviation	±0.3 °C	±0.3 °C
Measuring Distance	0.3 to 1.2 m (1.64 to 3.94 ft)	0.3 to 1.2 m (1.64 to 3.94 ft)
Response Speed	≤ 100ms	≤ 100ms
Smart Function	Face recognition, Mask detection, Body temperature measurement detection	Face recognition, Mask detection, Body temperature measurement detection
Temperature Alarm	Temperature Anomaly, Not wearing a mask, Stranger	Temperature Anomaly, Not wearing a mask, Stranger
Ethernet	1 RJ45 10M/100M Ethernet port	1 RJ45 10M/100M Ethernet port
Alarm In/Out	3/1	3/1
Wiegand Input	1 (Support peripheral card reader)	1 (Support peripheral card reader)
Wiegand Output	1(WG26, WG34)	1(WG26, WG34)
USB Interface	1 USB 2.0 port	1 USB 2.0 port
Door Lock Output	1 (Switch quantity)	1 (Switch quantity)
Display	7 Inch IPS HD display	7-inch LCD touch screen
Power Supply	12 VDC, 2A	12 VDC, 2A
Power Consumption	Max 8 W	Max 8 W
Working Temperature	20 °C ~ 35 °C (68°F ~ 95°F)	20 °C ~ 35 °C (68°F ~ 95°F)

Thermal Cameras



Bi-Spectrum H265+/Thermal Body Temperature Measurement Series					
Model	SNF22F	SNT5F	SNT5PF	SNT5HF	SNT5HPF
Appearance					
Thermal Image Sensor	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox
Thermal Sensor Resolution	256×192	400×300	400×300	400×300	400×300
Visual Image Sensor	1/2.8"2MP Progressive Scan CMOS	1/2.8" 2MP Progressive Scan CMOS	1/2.8" 2MP Progressive Scan CMOS	1/2.8" 2MP Progressive Scan CMOS	1/2.8" 2MP Progressive Scan CMOS
Visual Max Resolution	1920(H)×1080(V)	1920(H)×1080(V)	1920(H)×1080(V)	1920(H)×1080(V)	1920(H)×1080(V)
Temperature Range	30°C ~ 45°C (86°F ~ 113°F)	0°C ~ 60 °C (32°F ~ 140°F)	0°C ~ 60 °C (32°F ~ 140°F)	30°C ~ 45°C (86°F ~ 113°F)	30°C ~ 45°C (86°F ~ 113°F)
Measurement Deviation	±0.5°C (±0.3°C with blackbody)	±0.5°C (±0.3°C with blackbody)		±0.3°C	
Measuring Distance	2 ~ 3m (6.56 ~ 9.84 ft)	3 ~ 5m (4m recommended)	3 ~ 5m (4m recommended)	3 ~ 5m (4m recommended)	3 ~ 5m (4m recommended)
Response Speed	≤30ms	≤30ms	≤30ms	≤30ms	≤30ms
Smart Function	Visual: Standard analytics, Face detection and capture Thermal: IVS, Body temperature detection				
Temperature Alarm	Over temperature alarm, support speaker alarm	Over temperature alarm	Over temperature alarm	Over temperature alarm	Over temperature alarm
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector			1 Ethernet (10/100 Base-T) RJ-45 Connector	
Audio In/Out	1ch Audio In, 1ch Audio Out, Built-in Speaker	1ch Audio In, 1ch Audio Out	1ch Audio In, 1ch Audio Out	1ch Audio In, 1ch Audio Out	1ch Audio In, 1ch Audio Out
Alarm In/Out	2ch Alarm In, 2ch Alarm Out	2ch Alarm In, 2ch Alarm Out	2ch Alarm In, 2ch Alarm Out	2ch Alarm In, 2ch Alarm Out	2ch Alarm In, 2ch Alarm Out
Storage	Built-in Micro SD card, up to 256 GB	N/A	N/A	N/A	N/A
Power Supply	12 VDC/PoE (IEEE 802.3af)	12 VDC/PoE (IEEE 802.3af)	12 VDC/PoE (IEEE 802.3af)	12 VDC/PoE (IEEE 802.3af)	12 VDC/PoE (IEEE 802.3af)
Power Consumption	Max 10 W	Max 10 W	Max 10 W	Max 18 W	Max 18 W
Working Temperature	5 °C ~ 35 °C (41°F ~ 86°F)	5 °C ~ 35 °C (41°F ~ 86°F)	5 °C ~ 35 °C (41°F ~ 86°F)	5 °C ~ 35 °C (41°F ~ 86°F)	5 °C ~ 35 °C (41°F ~ 86°F)
Ingress Protection	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10

THERMAL CAMERAS

Thermal Camera Series

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



Deep Learning Algorithm



Human/Vehicle Detection



Fire Spot Detection



Ship Detection



Smoking Detection



Multiple Resolutions



Two-way Audio





Alarm In/Out



Memory Slot



Thermal Cameras

Bi-Spectrum H.265+/Thermal Series		
Model	SND2F	SND2LF
Appearance		
Sensor Resolution	Visual: 1920×1080, Thermal: 256×192	Visual: 1600×1200, Thermal: 256×192
Sensitivity (NETD)	≤ 65mK	≤ 60mK
Lens	Visual: 2.1mm, Thermal: 1.9mm	Visual: 2.3mm, Thermal: 2.0mm
Angle of View	Visual: H: 136.2°, V: 77.3°, Thermal: H: 95°, V:75°	Visual: H: 100°, V: 75°, Thermal: H: 90°, V:65°
Temperature Measurement Distance (0.1×0.1m)	3m	3m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)	-20°C ~ 150°C (-4°F ~ 302°F)
Smart Function	Reliable temperature exception alarm function	Reliable temperature exception alarm function
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)
DVE Image Enhance	Support	Support
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio In/Out	-	-
Alarm In/Out	1/1	1/1
RS485	Support	Support
Storage	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB
Power Supply	12VDC/24VDC/PoE (IEEE 802.3af)	10-30VDC/PoE (IEEE 802.3af)
Working Temperature	-30°C~60°C(-22°F~140°F)	-30°C~60°C(-22°F~140°F)
Ingress Protection	IP66/IK10	IP67/IK10
Net Weight	0.45 kg (0.99lb)	0.52 kg (1.15 lb)

IVS: Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed

Thermal Cameras



Bi-Spectrum H.265/Thermal Camera Series			
Model	SNTPC2552DTF	SNTPC2553DTF	SNTPC2552CTF
Appearance	 	 	 
Sensor Resolution	Visual: 1920×1080, Thermal: 256×192	Visual: 2880×1620, Thermal: 256×192	Visual: 2880×1620, Thermal: 256×192
Sensitivity (NETD)	<50mK	<50mK	<60mK
Lens	Visual: 4mm, Thermal: 3.2mm	Visual: 8mm, Thermal: 7mm	Visual: 4mm, Thermal: 3.5mm
Angle of View	Visual: H: 84°, V: 45°, Thermal: H: 56°, V: 42°	Visual: H: 40°, V: 20°, Thermal: H: 24°, V: 18°	Visual: H: 40°, V: 20°, Thermal: H: 48°, V: 36°
Detection Range Fires 1×1m ^(a) Humans 1.8×0.5m ^(b) Vehicles 4×1.5m ^(c)	133 ^(a) /133 ^(b) /409 ^(c) m	292 ^(a) /291 ^(b) /894 ^(c) m	146 ^(a) /146 ^(b) /447 ^(c) m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm
Temperature Range	-15°C ~ 150°C (5°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)
Smart Function	Temperature detection & alarm, human detection and vehicle detection, IVS	Temperature detection & alarm, human detection and vehicle detection, fire point detection, IVS	Temperature detection fire detection, human detection, vehicle detection and smoking detection & alarm, IVS
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)
DVE Image Enhance	Support	Support	Support
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio In/Out	1/I, Built-in speaker	1/I, Built-in speaker	1/I, Built-in speaker
Alarm In/Out	2/2	2/2	2/2
RS485	Support	Support	Support
Storage	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB
Power Supply	DC12V/DC24V/POE (IEEE 802.3af), Max 12W	DC12V/DC24V/POE (IEEE 802.3af), Max 12W	DC12V/DC24V/POE (IEEE 802.3af), Max 12W
Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
Ingress Protection	IP67/IK10	IP67/IK10	IP67/IK10
Net Weight	1.35 kg (2.98 lb)	1.35 kg (2.98 lb)	1.35 kg (2.98 lb)

IVS: Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed

Thermal Cameras






BIG Bullet Bi-Spectrum				
Model	SNTPC6457DLTF	SNTPC4233DJTF	Thermal Box Series	
Appearance	 	 	 	 
Image Sensor	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox	Uncooled Focal Plane Arrays, Vox
Sensor Resolution	640×512	400×300	400×300	640×512
Sensitivity (NETD)	40mK @F1.0	40mK @F1.0	40mK @F1.0	40mK @F1.0
Lens	Visual: 4/6 fixed lens10-30 mm motorzoom lens Thermal 9/15/25/35/50mm	Visual: 5-50 mm motorzoom lens Thermal 8/15/25/35/50mm	Manual Focus: 8/15/25/35mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0	Manual Focus: 15/25/35/50mm, F1.0 Motorized Focus: 25/50/75/100mm, F1.0
Angle of View	9mm: 46° ×38°, 15mm: 32°×26° 25mm: 17°×14°, 35mm: 12°×10° 50mm: 8°×7°	8mm: 46° ×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°	8mm: 46° ×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°, 75mm: 5.1°×3.8° 100mm: 3.8°×2.3°	15mm: 39.8° × 32.3°, 25mm: 24.5° × 19.7° 35mm: 17.6° × 14.1°, 50mm: 12.4° × 9.9° 75mm: 8.2° × 6.6°, 100mm: 6.2° × 4.9°
Detection Range Fires 1×1m (a) Humans 1.8×0.5m(b) Vehicles 4×1.5m (c)	9mm: 375 ^(a) /375 ^(b) /1150 ^(c) m 15mm: 625 ^(a) /624 ^(b) /1917 ^(c) m 25mm: 1042 ^(a) /1040 ^(b) /3194 ^(c) m 35mm: 1458 ^(a) /1456 ^(b) /4472 ^(c) m 50mm: 2083 ^(a) /2081 ^(b) /6389 ^(c) m	8mm: 235 ^(a) /235 ^(b) /722 ^(c) m 15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m	8mm: 235 ^(a) /235 ^(b) /722 ^(c) m 15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m 75mm: 2206 ^(a) /2206 ^(b) /6765 ^(c) m 100mm: 2941 ^(a) /2941 ^(b) /9020 ^(c) m	15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m 75mm: 2206 ^(a) /2206 ^(b) /6765 ^(c) m 100mm: 2941 ^(a) /2941 ^(b) /9020 ^(c) m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm Temperature measurement, human detection and vehicle detectionSmoker detection, Smoke and Flame detection, fire point detection Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles) , People counting		Threshold alarm, Temperature difference alarm, Temperature section alarm	
Temperature Range	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)
Smart Function	Temperature detection, IVS	Temperature detection, IVS	Temperature detection, Human detection, Vehicle detection, IVS	Temperature detection, IVS
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)		White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	
DVE Image Enhance	Support	Support	Support	Support
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio In/Out	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	2/2	2/2	2/2
RS485	Support	Support	Support	Support
Storage	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB
Power Supply	DC12V /AC24V /POE (IEEE 802.3af)	DC12V±10%, Max 5W	DC12V±10%, Max 5W	DC12V±10%, Max 5W
Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
Net Weight	2.0 kg (1.54 lb) with 50 mm lens	2.5 kg (1.54 lb) with 50 mm lens	0.7 kg (1.54 lb) with 50 mm lens	0.7 kg (1.54 lb) with 50 mm lens

IVS: Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed







Thermal Cameras



Thermal Bullet Series			
Model	SNTPC4201KTF(III)	SNTPC4203KTF(III)	SNTPC6401KTF(II)
Appearance		 	
Sensor Resolution	400×300	400×300	640×512
Sensitivity (NETD)	40mK @F1.0	40mK @F1.0	40mK @F1.0
Lens	Manual Focus: 8/15/25/35/50mm, F1.0	Manual Focus: 8/15/25/35/50mm, F1.0	Manual Focus: 15/25/35/50mm, F1.0
Angle of View	8mm: 46° ×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°	8mm: 46° ×35.3°, 15mm: 25.5°×19.2° 25mm: 15.4°×11.6°, 35mm: 11°×8.3° 50mm: 7.7°×5.8°	15mm: 39.8° × 32.3° 25mm: 24.5° × 19.7° 35mm: 17.6° × 14.1° 50mm: 12.4° × 9.9°
Detection Range Fires 1×1m ^(a) Humans 1.8×0.5m ^(b) Vehicles 4×1.5m ^(c)	8mm: 235 ^(a) /235 ^(b) /722 ^(c) m 15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m	8mm: 235 ^(a) /235 ^(b) /722 ^(c) m 15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m	15mm: 441 ^(a) /441 ^(b) /1353 ^(c) m 25mm: 735 ^(a) /735 ^(b) /2255 ^(c) m 35mm: 1029 ^(a) /1029 ^(b) /3137 ^(c) m 50mm: 1471 ^(a) /1471 ^(b) /4510 ^(c) m
Temperature Alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	Threshold alarm, Temperature difference alarm, Temperature section alarm	
Temperature Range	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)	-40°C ~ 150°C (-40°F ~ 302°F)
Smart Function	Temperature detection, IVS	Temperature detection, Human detection, Vehicle detection, IVS	Temperature detection, IVS
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)	
DVE Image Enhance	Support	Support	Support
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector	1 Ethernet (10/100 Base-T) RJ-45 Connector	
Audio In/Out	1/1	1/1	1/1
Alarm In/Out	2/2	2/2	2/2
RS485	Support	Support	Support
Storage	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB	Built-in Micro SD card, up to 256 GB
Power Supply	DC12V/POE (802.3af), Max 5W	DC12V/POE (802.3af), Max 5W	DC12V/POE (802.3af), Max 5W
Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
Ingress Protection	IP67/IK10	IP67/IK10	IP67/IK10
Net Weight	1.8 kg (4.97 lb) with 15mm lens	1.8 kg (4.97 lb) with 15mm lens	1.8 kg (4.97 lb) with 15mm lens

Thermal Cameras



Thermal PT ZSeries						
Model	SNTPT4201ZZ(III)	SNTPT6401ZZ(II)	SNTPT4231QF(III)	SNTPT6431QF(II)	SNTPT4231LZ(III)	SNTPT6431LZ(II)
Appearance						
Max. Resolution	400×300	640×512	Visual: 2048×1536 Thermal: 400×300	Visual: 2048×1536 Thermal: 640×512	Visual: 1920×1080 Thermal: 400×300	Visual: 1920×1080 Thermal: 640×512
Sensitivity (NETD)	40mK@F1.0, 300K	40mK@F1.0, 300K	40mK @F1.0, 300K	40mK @F1.0, 300K	40mK @F1.0, 300K	40mK @F1.0, 300K
Thermal Lens	Motorize Focus: 25/50/75/100mm F1.0	Motorize Focus: 25/50/75/100mm F1.0	Fixed: 8/15/25mm F1.0, Motorize Focus: 25mm F1.0	Fixed: 15/25mm F1.0, Motorize Focus: 25mm F1.0	Fixed: 25/35/50mm F1.0, Motorize Focus: 25/50mm F1.0	Fixed: 25/35/50mm F1.0, Motorize Focus: 25/50mm F1.0
Angle of View	25mm: 15.4° × 11.6° 50mm: 7.7° × 5.8° 75mm, H: 5.1° × 3.8° 100mm, H: 3.8° × 2.3°	25mm: 24.5° × 19.7° 50mm: 12.4° × 9.9° 75mm: 8.2° × 6.6° 100mm: 6.2° × 4.9°	8mm: 46° × 35.3° 15mm: 25.5° × 19.2° 25mm: 15.4° × 11.6°	15mm: 39.8° × 32.3° 25mm: 24.5° × 19.7°	25mm: 15.4° × 11.6° 35mm: 11° × 8.3° 50mm: 7.7° × 5.8°	25mm: 24.5° × 19.7° 35mm: 17.6° × 14.1° 50mm: 12.4° × 9.9°
Visual Lens/FOV	-	-	30X, 4.5-135mm, 59.8°~2.3°		30X, 6-180mm, 61.2°~2.32°	
Detection Range Fires 1×1m(a) Humans 1.8×0.5m(b) Vehicles 4×1.5m(c)	25mm: 735(a)/735(b)/2255(c)m 50mm: 1471(a)/1471(b)/4510(c)m 75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m		8mm: 235(a)/235(b)/722(c)m 15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m		25mm: 735(a)/735(b)/2255(c)m 35mm: 1029(a)/1029(b)/3137(c)m 50mm: 1471(a)/1471(b)/4510(c)m	
Temp-Measurement Function	Spot: 20 / Line: 2 / Area: 16 Temp-Detection Range: -40°C~150°C (-40°F~302°F)		Spot: 20 / Line: 2 / Area: 16 Temp-Detection Range: -40°C~150°C (-40°F~302°F)		Spot: 20 / Line: 2 / Area: 16 Temp-Detection Range: -40°C~150°C (-40°F~302°F)	
Temperature Alarm	Over Temperature Alarm, Temperature Difference Alarm		Over Temperature Alarm, Temperature Difference Alarm		Over Temperature Alarm, Temperature Difference Alarm	
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Frames Per Second	30fps	30fps	Visual: 30fps, Thermal: 30fps		Visual: 30fps, Thermal: 30fps	
Intelligent Video	Temperature detection, IVS	Temperature detection, IVS	Visual: Standard analytics, Thermal: Temperature detection, IVS		Visual: Standard analytics, Thermal: Temperature detection, IVS	
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)					
Audio In/Out	1/1	1/1	-	-	2/2	2/2
Alarm In/Out	2/2	2/2	-/1	-/1	9/4	9/4
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Ingress Protection	IP67/IK10	IP67/IK10	IP67/IK10	IP67/IK10	IP67/IK10	IP67/IK10
Operating Temperature	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-20°C~60°C (-4°F ~140°F)	-20°C~60°C (-4°F ~140°F)	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)
Power	DC36V	DC36V	DC24V	DC24V	DC36V	DC36V

Thermal Cameras



Thermal PTZ Series				
Model	SNTPT4231ZZ(III)	SNTPT6431ZZ(II)	SNTPT4231HZ(III)	SNTPT6431HZ(II)
Appearance				
Max. Resolution	Visual: 1920×1080 Thermal: 400×300	Visual: 1920×1080 Thermal: 640×512	Visual: 1920×1080 Thermal: 400×300	Visual: 1920×1080 Thermal: 640×512
Sensitivity (NETD)	40mK @F1.0, 300K	40mK @F1.0, 300K	40mK @F1.0, 300K	40mK @F1.0, 300K
Thermal Lens	Motorize Focus: 25/50mm F1.0	Motorize Focus: 25/50mm F1.0	Motorize Focus: 75/100mm F1.0	Motorize Focus: 75/100mm F1.0
Angle of View	25mm: 15.4° × 11.6° 50mm: 7.7° × 5.8°	25mm: 24.5° × 19.7° 50mm: 12.4° × 9.9°	75mm, H: 5.1° × 3.8° 100mm, H: 3.8° × 2.3°	75mm: 8.2° × 6.6° 100mm: 6.2° × 4.9°
Visual Lens/FOV	30X, 6-180mm, 61.2°~2.32°	30X, 6-180mm, 61.2°~2.32°	12.5~400mm/15.6~500mm/ 12.5~750mm/16.7~1000mm (optional)	
Detection Range Fires 1×1m(a) Humans 1.8×0.5m(b) Vehicles 4×1.5m(c)	25mm: 735(a)/735(b)/2255(c)m 50mm: 1471(a)/1471(b)/4510(c)m		75mm: 2206(a)/2206(b)/6765(c)m 100mm: 2941(a)/2941(b)/9020(c)m	
Temp-Measurement Function	Spot: 20 / Line: 2 / Area: 16 Temp-Detection Range: -40°C~150°C (-40°F~302°F)			
Temperature Alarm	Over Temperature Alarm, Temperature Difference Alarm			
Video Compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
Frames Per Second	Visual: 30fps, Thermal: 30fps	Visual: 30fps, Thermal: 30fps	Visual: 30fps, Thermal: 30fps	Visual: 30fps, Thermal: 30fps
Smart Function	Visual: Standard analytics Thermal: IVS, Temperature detection & alarm		Visual: Standard analytics Thermal: IVS, Temperature detection & alarm	
Polarity Control/LUT	White Hot / Black Hot / Rainbow / Ironbow (up to 17 define optional)			
Audio In/Out	2/2	2/2	2/2	2/2
Alarm In/Out	9/4	9/4	3/3	3/3
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB	Micro SD, Max. 128GB
Ingress Protection	IP67/IK10	IP67/IK10	IP67/IK10	IP67/IK10
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	DC36V	DC36V	DC36V	DC36V

EXPLOSIONPROOF CAMERAS

Explosionproof 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



Abnormal Temperature Alarm



Perimeter



Multiple Resolutions



Two-way Audio



Alarm In/out



SD Card Slot

Explosion proof Cameras



H265+ Explosionproof Camera				Accessoires	
Model	SNCHP8650CDNZ30SS	SNCHP8650CDRZ30SS	SNIPT8650PARZ30SS	SNBK101ASS	SNBK601ASS
Appearance					
Image Sensor	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	1/2.8" STARVIS™ CMOS	Bullet Wall Mount Bracket	TZ Wall Mount Bracket
Lens	5.3~159mm, F1.6~F4.3	5.3~159mm, F1.6~F4.3	5.3~159mm, F1.6~F4.3	SNBK101ASS	
FOV-H	H: 55°~2.3°, V: 41.6°~1.7°	H: 55°~2.3°, V: 41.6°~1.7°	H: 55°~2.3°, V: 41.6°~1.7°		
Day and Night	ICR	ICR	ICR		
Min. Illumination(lux)	Color: 0.01Lux@(F1.6,AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux@(F1.6,AGC ON) B/W: 0Lux @(IR LED ON)	Color: 0.01Lux @(F1.6, AGC ON) B/W: 0Lux @(IR LED ON)		
WDR	True WDR	True WDR	True WDR		
IR Distance		Up to 150m	Up to 200m		
Max. Resolution	2560x1920(5MP)	2560x1920(5MP)	2560×1920 (5MP)		
Frames Per Second	25/30fps @4MP	25/30fps @5MP	25/30fps @5MP		
Intelligent Video	Support Face, Human, Vehicle Detection. Intelligent Analysis: Perimeter, Single virtual fence, Double virtual fences, Loiter, Converse (the five functions support the accurate detection of vehicle and human), People counting				
Audio In/Out	1/1	1/1	1/1		
Alarm In/Out	2/1	2/1	2/2		
Memory Slot	Micro SD, Max. 256GB	Micro SD, Max. 256GB	Micro SD, Max. 256GB		
Ingress Protection	IP68	IP68	IP68	IP68	IP68
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)		
Power	DC12V/POE+ (802.3at)	DC12V/POE+ (802.3at)	AC24V/Hi-POE (Adapter optional)		

Explosion proof Cameras




Thermal and Bi-Spectrum Explosionproof Cameras			Accessoires			
Model	SNTPH4203DAF15SS	SNTPT4233PAM25ZSE30SS	SNCBK301ASS	SNCBK801ASS	SNFP10115ASS	SNFP10115ASS
Appearance						
Max. Resolution	400×300	Visual: 2592×1944 Thermal: 400×300	Explosion proof junction box	Explosion proof junction box	Explosion Proof Flexible Tube	Explosion Proof Glands
Sensitivity (NETD)	40mK@F1.0, 300K	40mK@F1.0, 300K				
Thermal Lens	Motorize Focus: 15mm F1.0	Motorize Focus: 25mm F1.0/5.3~159mm, F1.6~F4.3				
Angle of View	15mm: 25.5° × 19.2°	25mm: 24.5° × 19.7°				
Visual Lens/FOV	-	-				
Detection Range Fires 1×1m(a) Humans 1.8×0.5m(b) Vehicles 4×1.5m(c)	15mm: 441(a)/441(b)/1353(c)m 25mm: 735(a)/735(b)/2255(c)m					
Temp-Measurement Function	Spot: 20 / Line: 2 / Area: 16 Temp-Detection Range: -40°C~150°C (-40°F~302°F)					
Temperature Alarm	Over Temperature Alarm, Temperature Difference Alarm					
Video Compression		H.265, H.264, MJPEG				
Frames Per Second		30fps				
Intelligent Video	Temperature detection, IVS	Temperature detection, IVS				
Polarity Control/LUT						
Audio In/Out	1/1	1/1				
Alarm In/Out	2/2	2/2				
Memory Slot	Micro SD, Max. 128GB	Micro SD, Max. 128GB				
Ingress Protection	IP68	IP68	IP68	IP68		
Operating Temperature	-40°C~60°C (-40°F ~140°F)	-40°C~60°C (-40°F ~140°F)				
Power	DC36V	DC36V				


NVR

Pro Series


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




4/8 HDD Slot




4K Display




RAID




Spot Monitor




Real-time Comparison




Smart Event Alarm




Alarm Classification Retrieval




Database




People Counting



Attendance Management



Temperature Graph Display



Picture Grid



Pro AI Series



H265+ AI NVR				
	SNNVR3804E1P4J	SNNVR3808E1P8J	SNNVR3816E2P16J	SNNVR3832E8J
Appearance				
Video Input	4ch	8ch	16ch	32ch
Max. Incoming/Outgoing Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	112Mbps/112Mbps	320Mbps/320Mbps
Max. Decoding	1ch 12MP, 4ch 5MP	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P
Video Output	1HDMI, 1VGA	1HDMI, 1VGA	1HDMI, 1VGA	2HDMI, 1VGA
Max. HDD	1×8TB	2×8TB	2×8TB	8×12TB
eSATA	-	-	1eSATA Port	1eSATA Port
RAID	-	-	-	RAID 5, RAID 6, RAID 10
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	4/1	8/1	16/4	16/4
Ethernet	1×100M port	1×1000M port	1×1000M port	2×1000M port
PoE	4 Ports (IEEE802.3af) 40W	8 Ports (IEEE802.3af) 80W	16 Ports (IEEE802.3af) 160W	-
USB	1×USB 2.0, 1×USB3.0	1×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0
Power	DC48V/1.25A <5W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <15W (Without HDD)
Smart Function	Support face recognition, ANPR, Multi-objective recognition, Attendance			

Eco Series

NDAANDA

H265+ NVR Series						
Model	SNNVR3504E1P4	SNNVR3508E2P8	SNNVR3516E2P16	SNNVR3632E8	SNNVR3664E8	SNNVR3664E16
Appearance						
Video Input	4ch	8ch	16ch	32ch	64ch	64ch
Max. Incoming/ Outgoing Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	112Mbps/112Mbps	320Mbps/320Mbps	320Mbps/320Mbps	512Mbps/512Mbps
Max. Decoding	1ch 12MP, 4ch 5MP	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P	1ch 12MP, 4ch 8MP, 8ch 4MP, 16ch 1080P, 32ch 720P
Video Output	1HDMI, 1VGA	2HDMI, 1VGA	1HDMI, 1VGA	2HDMI, 1VGA	2HDMI, 1VGA	1HDMI, 1VGA
Max. HDD	1×12TB	2×12TB	2×12TB	8×12TB	8×12TB	16×8TB
eSATA	-	1eSATA Port	1eSATA Port	1eSATA Port	1eSATA Port	1eSATA Port
RAID	-	-	-	RAID 5, RAID 6, RAID 10	RAID 5, RAID 6, RAID 10	RAID 5, RAID 6, RAID 10
Audio In/Out	1/I, 2-way	1/I, 2-way	1/I, 2-way	1/I, 2-way	1/I, 2-way	1/I, 2-way
Alarm In/Out	4/1	8/1	16/8	16/4	16/4	16/8
Ethernet	1×100M port	1×1000M port	1×1000M port	2×1000M port	2×1000M port	2×1000M port
PoE	4 Ports (IEEE802.3af) 40W	8 Ports (IEEE802.3af) 80W	16 Ports (IEEE802.3af) 160W	-	-	-
USB	1×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 1×USB3.0	2×USB 2.0, 2×USB3.0
Power	DC48V/1.25A <5W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <15W (Without HDD)	AC100~240V <31W (Without HDD)

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





Radar-PTZ Multi-target Linkage Tracking

Sunell integrated radar video surveillance system



Radar-PTZ Linkage



Smart Tracking



24/7 Monitoring







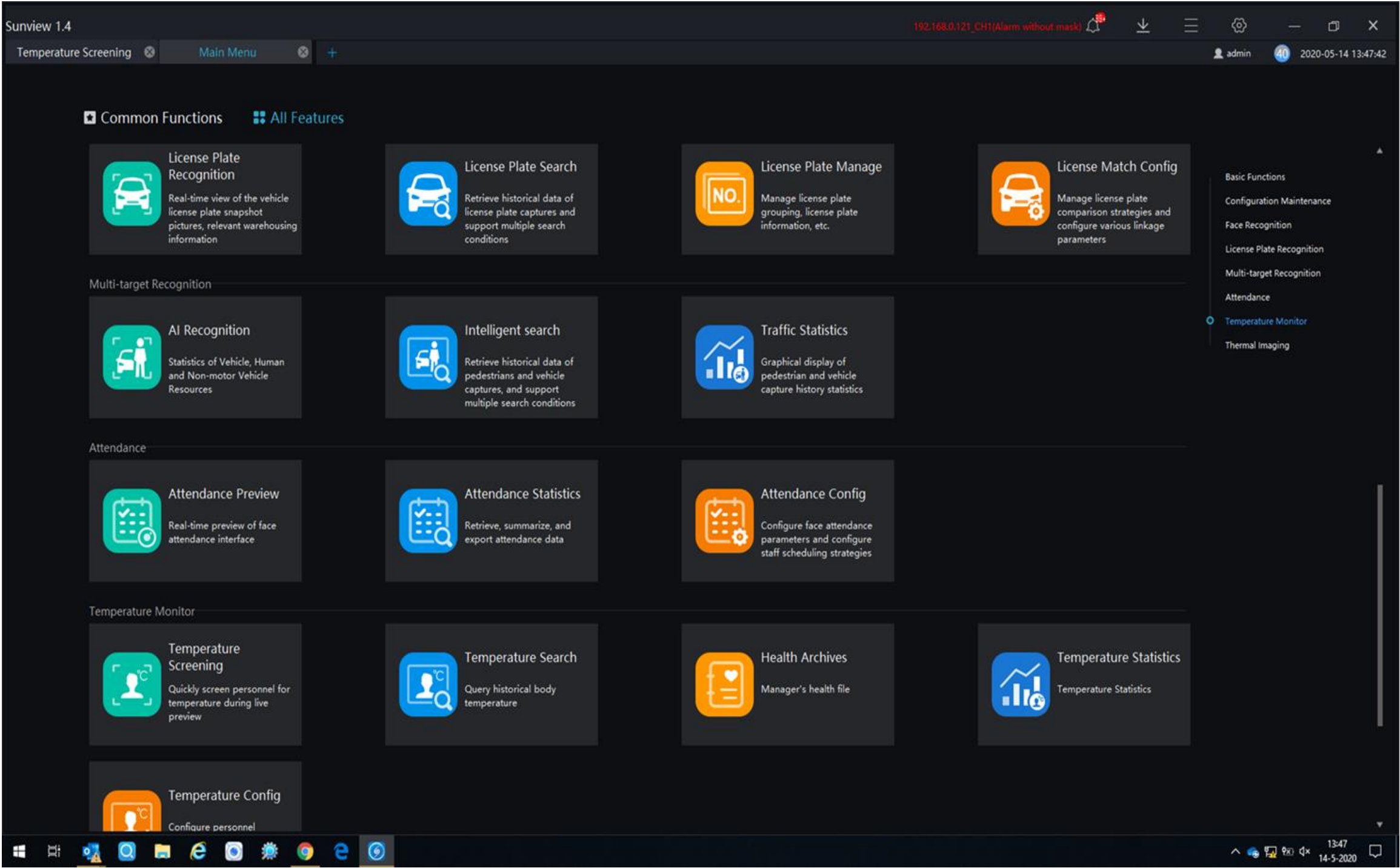
IP67



Professional Management
Platform Software

Radar Solutions

Model	Wide Area Sensor			
	SNR60A	SNR120A	SNR200P	SNR450A
Appearance				
Radar Sensor	FMCW	FMCW Radar	FMCW Radar	FMCW Radar
Radar Output Data	Distance, Direction, Angle	Distance, Direction, Angle	Distance, Direction, Angle	Distance, Direction, Angle
Transmit Frequency	61.2~61.5GHz	24GHz K-Band	24.05~24.15GHz	24.05~24.15GHz
Refresh Data	10Hz	8Hz	8Hz	8Hz
EIRP	22dBm	22dBm	29dBm	39dBm
Power Consumption	3W	9W	8W	17W
Target Identification	Small animals, People, Vehicles	People, Vehicles	People, Vehicles	People, Vehicles
Recognition Pattern	Radar Triggers an alarm, linkage video review	Radar triggers an alarm, linkage video review	Radar triggers an alarm, linkage video review	Radar triggers an alarm, linkage video review
Detection Range Pedestrian	1~60m	1~150m	1~300m, 1~200m (walking/running across), 1~150m (climbing/squatting across)	1.5~450m
Detection Range Vehicle	1~60m	1~180m	1~300m	1~600m
Detection accuracy	±0.5m	±0.5m	±0.75m	±0.75m
Detection Resolution	0.67m	1m	1.5m	1.5m @human, 6m @ship
Speed Range/Accuracy/Resolution	0.5m/s~30m/s / 0.03m/s / 0.06m/s	0.5m/s~30m/s / 0.03m/s / 0.06m/s	0.03m/s~30m/s / 0.03m/s / 0.06m/s	0.03m/s~30m/s / 0.03m/s / 0.06m/s
Angle Accuracy	±1°	±1°	±1°	±1°
FOV	Azimuth: 120° , Elevation: 22°	Azimuth:90° ; Elevation:13°	Azimuth:20° ; Elevation:13°	Azimuth:90° ; Elevation:13°
Communication Protocol	UDP, TCP, RS485			
Network Interface	1*RJ45 10M/100M (POE)			
Alarm Interface/RS485/Relay	2ch input, 1ch output/support/2	2ch input, 1ch output/support/2	2ch input, 1ch output/support/2	2ch input, 1ch output/support/2
Power	12VDC/PoE(IEEE802.3AF)	12VDC/PoE(IEEE802.3AF)	12VDC/PoE(IEEE802.3AF)	12VDC/PoE(IEEE802.3AF)
Working Temperature	-40~75°C	-40~75°C	-40~75°C	-40~75°C
Dimension	149.4×125.5×45.2mm	194×158×49mm	235×175×53.7mm	235×175×53.7mm
Protection Grade	IP66	IP66	IP66	IP66



System Overview

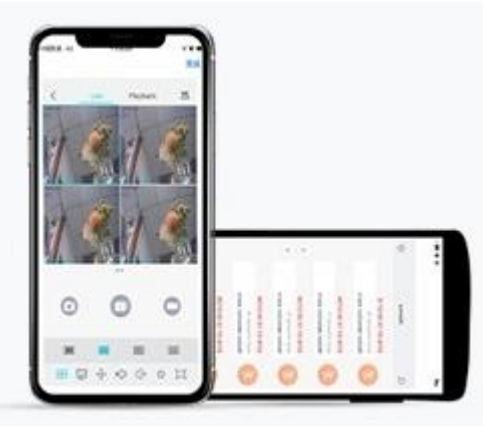
SunView can be used for video management of different monitoring scales. It supports centralized management, distributed deployment, multi-user remote access. With user management, device management, server management, alarm management, map management, device configuration, real-time video, video playback, personnel archive management, data statistics, face recognition and other functions, can meet a variety of video surveillance solutions

Key Functions

- Server/Client Based, support centralized and distributed management
- One-click installation: Without any configuration, quick installed and automatically start server
- Zero configuration: default configuration of users and permissions, server information, organization, comparison strategy, etc.
- Easy maintenance: Conveniently view server, equipment, user information, and system data can be exported and imported with one click
- Functions: Live view, Playback, Configuration maintenance, Face recognition, License plate recognition, Multi-target recognition, Attendance, Temperature monitor and Thermal imaging etc.

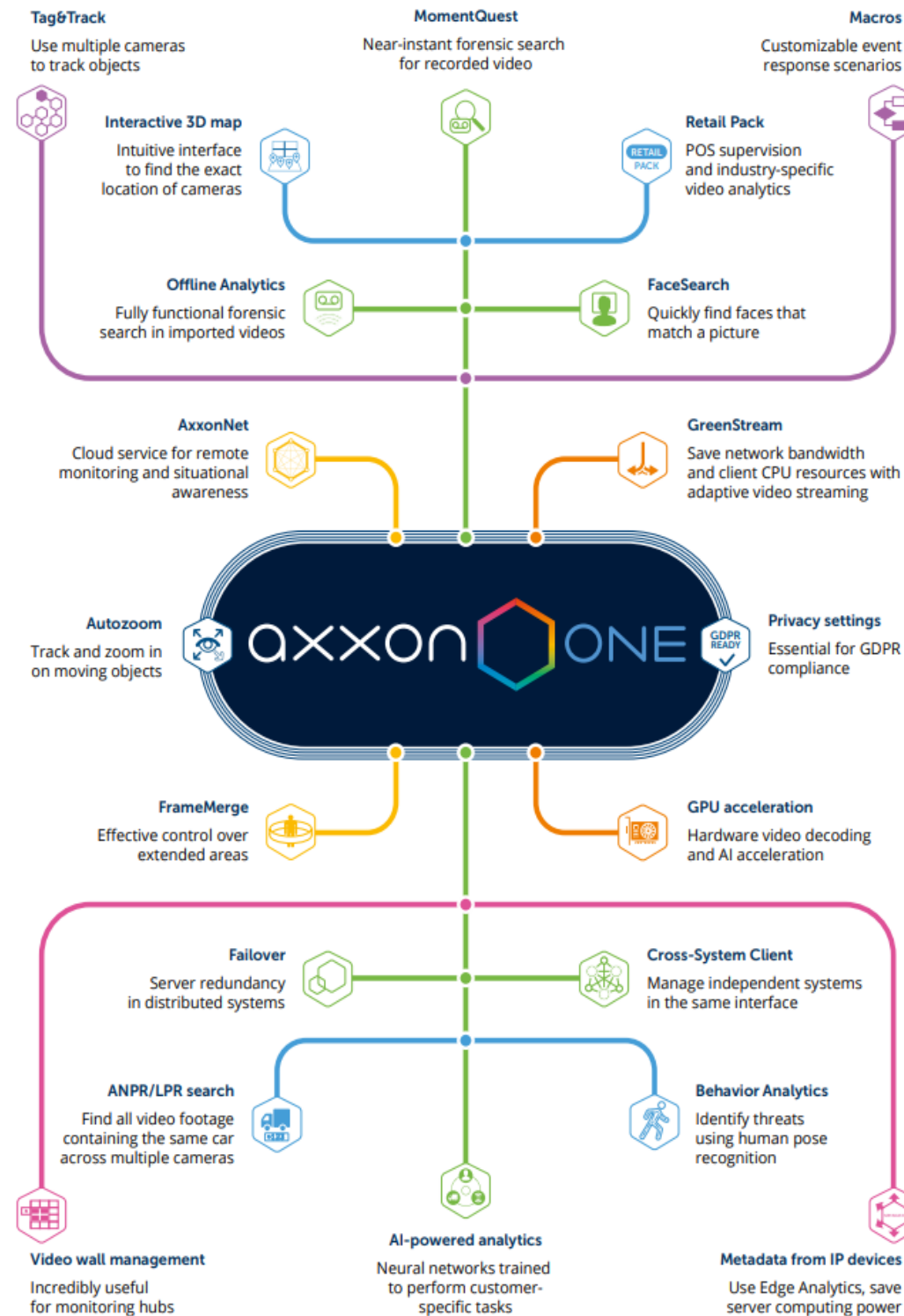
Main Function Mobile App

- Cloud account management
- Support 1/4/9/16 live split
- Support H.265/H.264 decoding
- Support alarm push with video
- Favorites



AXXON ONE

Axxon One is a limitless scalable Video Management Software that combines comprehensive support for 10,000+ IP devices and a streamlined user interface. Axxon One offers unique value through features like smart forensic search in recorded video and customizable video analytics powered by artificial intelligence.



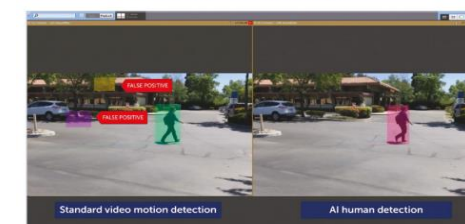
AI-POWERED ANALYTICS

Behavior Analytics



Behavior Analytics recognizes situations of risk early on by detecting specific human postures: for example, an individual lying down, a cashier's raised arms, or a person crouching by an ATM. Handrail holding detection helps in labor safety enforcement at production facilities, construction sites, working at height, etc.

Tracking and counting specific object types



When applied to the Object Tracker, the neural network accurately detects specific types of moving objects, e.g. humans or vehicles. This technology can filter out false alarms in busy scenes where multiple moving objects might interfere with the results. You can apply any conventional video analytics (loitering, line crossing, object appearance and disappearance, etc.) to the detected objects.

The Neural Counter counts moving or static objects of a specific type within the scene, e.g. cars in a parking lot, people on the sales floor, wares moving on a conveyor belt, etc. This is a valuable tool for non-security-related solutions.

Neural networks can meet the needs of a particular facility by learning from video material obtained onsite.

TimeCompressor



TimeCompressor captures objects in motion at different times and displays them in a condensed visual synopsis. The tool is a viable alternative to the painstaking process of scrolling through hours of footage.

You can also view search results (MomentQuest, face and number plate search) in TimeCompressor mode. Thanks to a combination of video analysis technologies, searching for a specific video recording becomes even easier and faster.

Offline Analytics



Import any video footage and analyze it with forensic search. The following functions can be applied to imported videos:

- MomentQuest
- TimeCompressor
- Face search
- Number plate search

Smoke and fire detection



Intelligent fire and smoke video detection operates in areas where other types of sensors are ineffective, e.g. in open spaces. It provides early detection of fire hotspots which leads to a significant reduction in damage.

Number plate recognition



Configure automatic scenarios when a match is found. For instance, notify the operator when the recognized number is on the negative watchlist or open the barrier when the number is on the access list. ANPR runs on the server side or on supported LPR/ANPR cameras.

Hardware AI acceleration

Axxon One can perform hardware video decoding on integrated Intel® GPUs and NVIDIA graphics cards. For AI acceleration, it supports graphics cards, dedicated AI accelerators, and embedded CPU capabilities:

- Integrated GPUs and AI acceleration technologies in Intel® CPUs.
- Intel® Movidius™ VPU.
- NVIDIA GeForce, Quadro, Tesla, etc.

Using hardware acceleration increases server performance, which helps reduce the cost of a full-fledged video surveillance system and its maintenance.

AXXON NEXT RETAIL PACK

POS supervision

Axxon Next receives data from cash registers and links it to video feeds. The receipt text is superimposed on the video or displayed in a separate pane. This offers a full picture of what's happening at the checkout. You can use receipt data to retrieve POS transaction videos from the recorded footage.



Queue management

The tool detects the number of people in queuing areas. Knowing actual customer numbers empowers you to manage human resources in both the short and long-term.

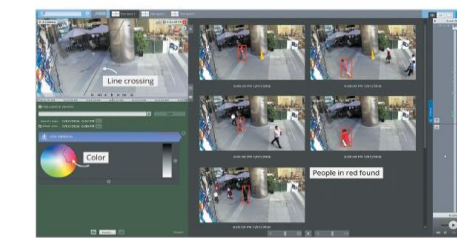


Visitor counter

This tool counts customers entering or exiting the store or a specific area. The information collected may be used, along with sales data, to estimate your sales conversion rate and/or for market research.

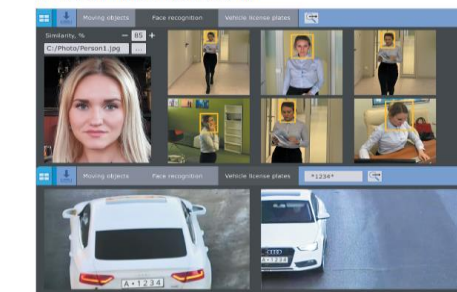
SMART FORENSIC SEARCH

MomentQuest



MomentQuest analyzes live video and generates a stream of metadata — a lean description of moving objects within the scene — which is recorded along with video stream. To retrieve recorded footage of an event of interest, just enter specific criteria: motion in area(s), crossing of a line, object color or size, etc. Within seconds the system displays thumbnails of relevant video episodes. Save a search query for later use on any camera.

Face and number plate search



Axxon Next captures and recognizes human faces and vehicle number plates. You can quickly check a person's photo or a vehicle number, full or partial, against the video footage. Multiple camera search is also possible.

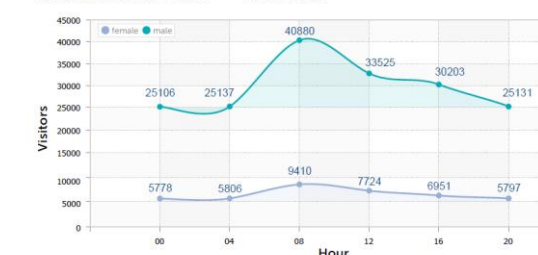


Facial recognition

Configure an automatic scenario, when a match is found. The positive list may notify store personnel of VIP customer arrivals, while the negative list may indicate shoplifters.

Heat map

A heat map is a graphic representation of visitor activity (visitor number, gender, age, and gender estimation, and data generated from tracking data for all objects or objects specified with forensic search criteria).



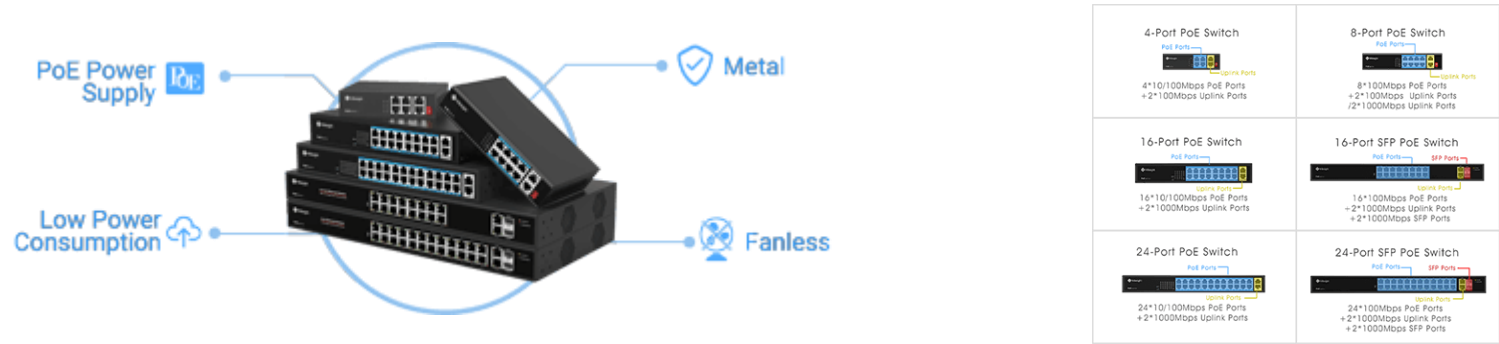
Age and gender guesstimation

The facial recognition tool guesstimates the age and gender of visitors. The saved data may be used for customer analysis, digital signage targeting, and other marketing purposes.

Online comprehensive reports

You can build custom reports based on POS transaction data, visitor count, queue length, age and gender guesstimation, and data generated by other Retail Pack tools. The web interface enables you to obtain reports from any store within your retail chain via the Internet.

DSI Provides a range of POE Network Switches. Abide by safety requirements of industrial standard, the DSI PoE Switch Series is definitely reliable to bring safe performance. The exquisite metal housing, fanless design, low power consumption and continuous PoE power supply guarantee the efficient and stable running. The plug and play with no configuration makes the maintaining as easy as ABC. With the indicator lights of PWR and Link/Act, users can easily get the working status of the connected devices. All those will have no doubt to simply the use.



Versatile Ports
With a range of PoE ports form 4, 8, 16 to maximum 24 and 2 SFP ports, Milesight PoE Switch Series provides flexible choices for various applications. It automatically recognizes the power receiving devices and offers power. Also, transmitting the data over one single Ethernet cable, it simplifies the network deployment in remote areas without power outlet.

Smart PoE Ppower Supply
Featuring multiple 10/100Mbps PoE ports which support IEEE 802.3af/at protocol and 2 uplink ports, the Milesight PoE Switch Series provides maximum power budget of 400W for all PoE ports and 30W for every single PoE port respectively, allowing users to have several different camera variations configured.

SuperB Transmission
With up to 14.8Gbps switching capacity, non-blocking design and full link-speed forwarding, Milesight PoE Switch Series is able to provide fluent transmission. At the same time, its reliability of data transmission is well guaranteed by the self-adaption ports which support both IEEE 802.3x Full Duplex Communication and Backpressure Half Duplex Communication.





Flexible Extend Mode
With the extend mode, the PoE Switch Series is able to offer more flexible choices for long range transmission, extending the distance up to 250m, which is greatly helpful to bring better user experience.

SFP Uplink Port
With SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network’s backbone, providing more than enough bandwidth and stability for ultra high speed data transferring.

Surge Protection
Reaching 4KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.

Surge Protection
Reaching 4KV surge protection, the PoE ports owns the capacity to keep the PoE Switch from lightning strikes and other electrical surges, offering reliable performance even in some harsh environments.

Network Switches POE

Model	Standalone Switches		Rack Mount Switches	
	HQ410L	HQ810L	HQ1610L	HQ2410L
Appearance				
Ports	4X10/100 Mbps	8X10/100 Mbps	16X10/100Mbps	24X10/100Mbps
Uplink	2X100 Mbps	2X100 Mbps	2X100 Mbps	2X100 Mbps
SFP Ports	N/A	N/A		
Switching Capacity Packet Forwarding Rate)	1,6Gbps (non-blocking) 0,89Mpps	12,0Gbps (non-blocking) 1.488Mpps	14.8Gbps (non-blocking) 5.36Mpps	14.8Gbps (non-blocking) 6.55Mpps
MAC	1K	2K	16K	16K
POE standard	IEEE802.3AF/AT	IEEE802.3AF/AT	IEEE802.3AF/AT	IEEE802.3AF/AT
Max. Power	Max Capacity 65W Max Capacity per single port: 30W	Max Capacity 120W Max Capacity per single port: 30W	Max capacity: 200W Max capacity for single port: 30W	Max capacity: 400W Max capacity for single port: 30W
Functional Switches	Standard Mode: Port 1~10: 10/100Mbps auto-sensing @100 meters Extend Mode: Port 1~8: 10Mbps @250 meters & Port 9~10: 100Mbps @100 meters	Standard Mode: Port 1~10: 10/100Mbps auto-sensing @100 meters Extend Mode: Port 1~8: 10Mbps @250 meters & Port 9~10: 100Mbps @100 meters	Standard Mode: Port 1~16: 10/100Mbps auto-sensing @100 meters & Port 17~18: 1000Mbps @100 meters Extend Mode: Port 1~8: 10/100Mbps auto-sensing @100 meters & Port 9~16: 10Mbps @250 meters & Port 17~18: 1000Mbps @100 meters	Port 1~24: 10/100Mbps auto-sensing @100 meters & Port 25~26: 1000Mbps @100 meters & Port 27~28: 1000Mbps @100 meters
Cooling Fan	N/A	N/A	1	1
Lightning Protection/ Protection Level	Port lightning protection: 4KV 8/20us	Port lightning protection: 4KV 8/20us	Port lightning protection: 4KV 8/20us	Port lightning protection: 4KV 8/20us
Ingress Protection	IP30	IP30	IP30	IP30
Operating Temperature	-20°~55°C	-20°~55°C	-20°~55°C	-20°~55°C
Power	Built-in switching power supply AC 100~240V, 50-60Hz, 2.2A)	Built-in switching power supply AC 100~240V, 50-60Hz, 2.2A)	Built-in switching power supply AC 100~240V, 50-60Hz, 2.5A	Built-in switching power supply AC 100~240V, 50-60Hz, 5A
Dimensions	142.5*115*40mm	195*130*40mm	270.4*181*44mm	440*225*44mm

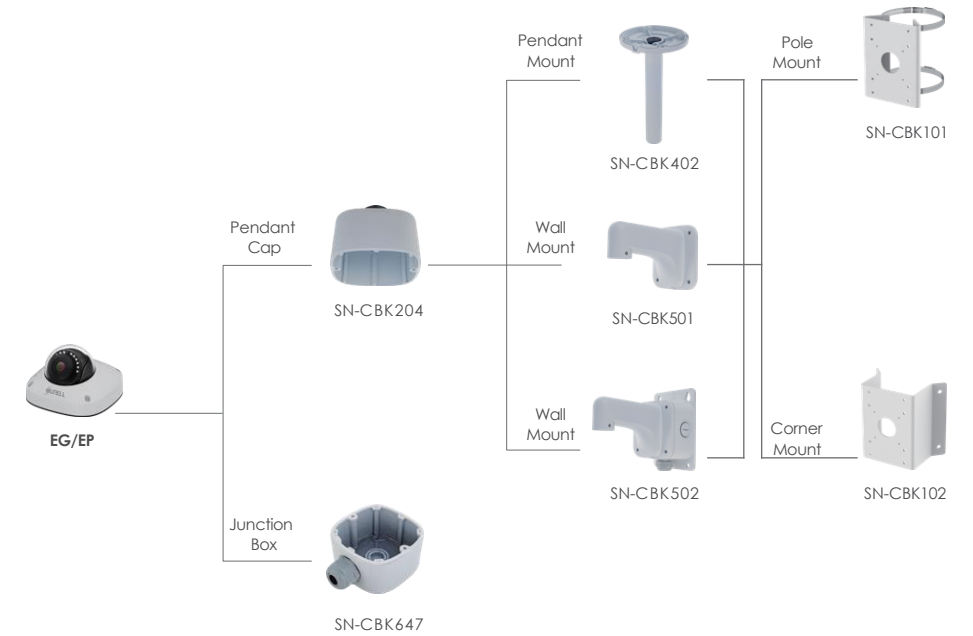
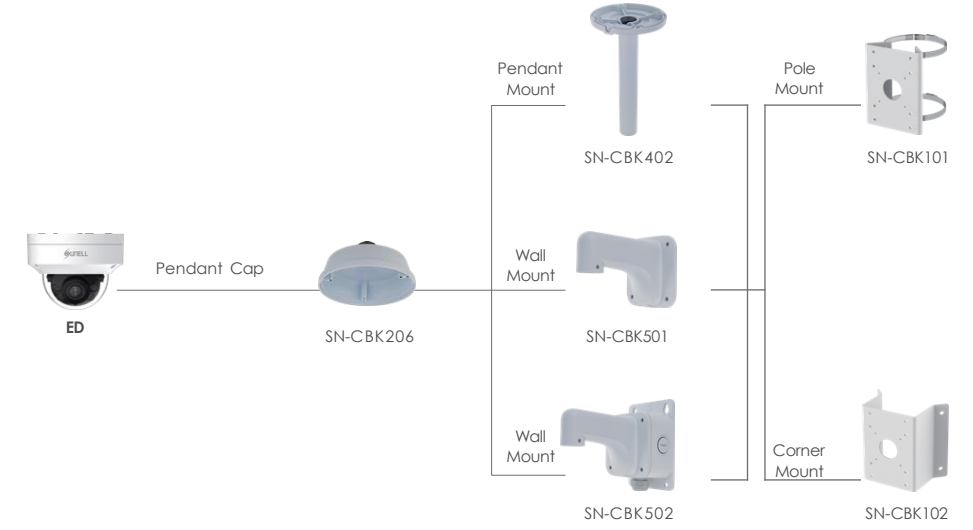
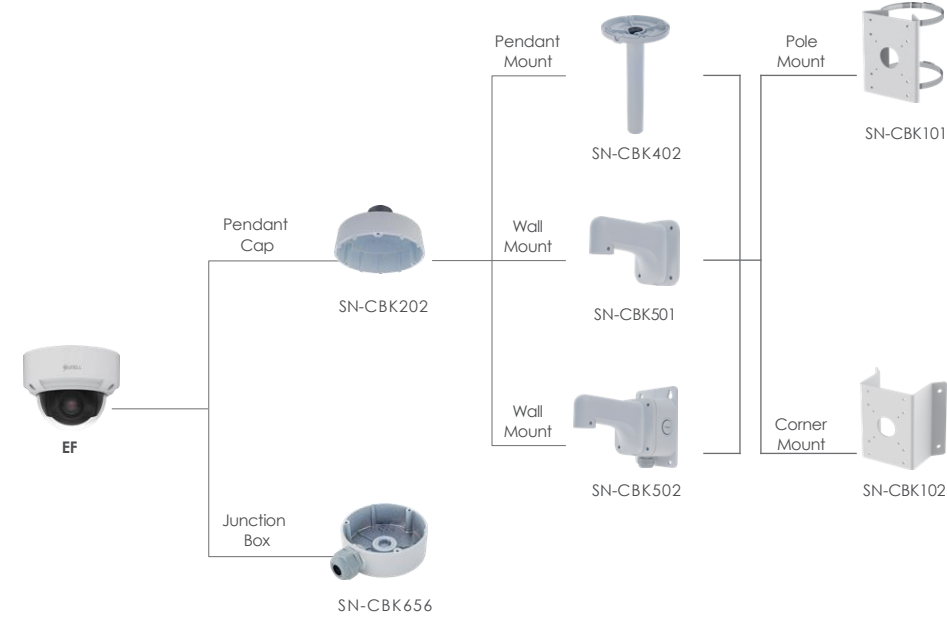
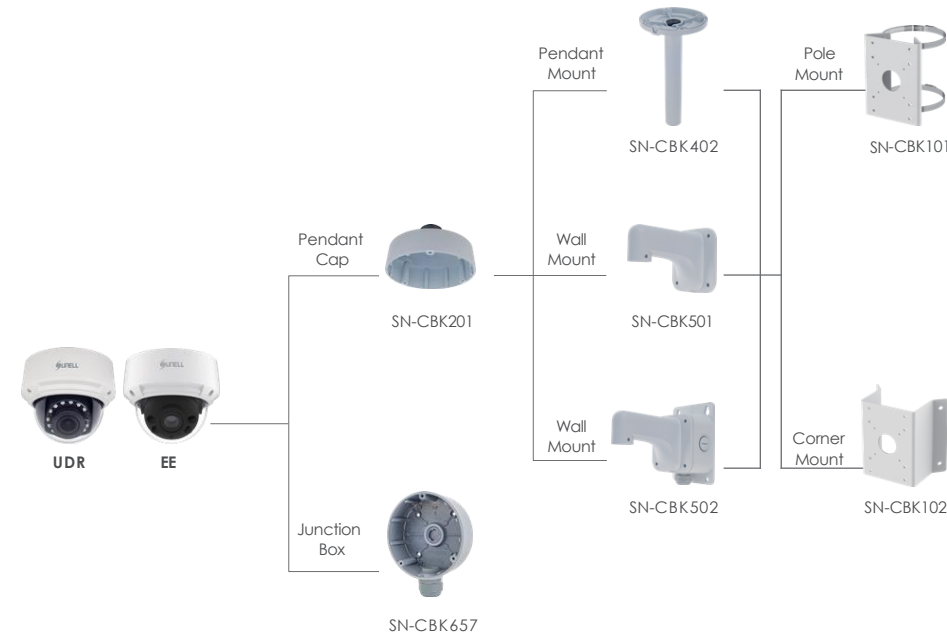


Hard Disk

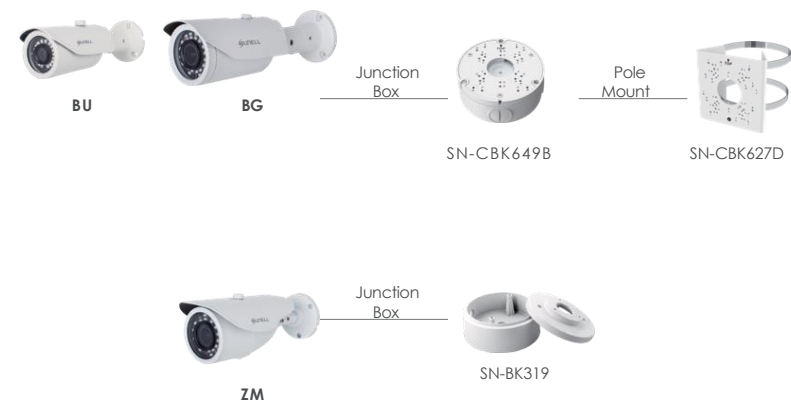
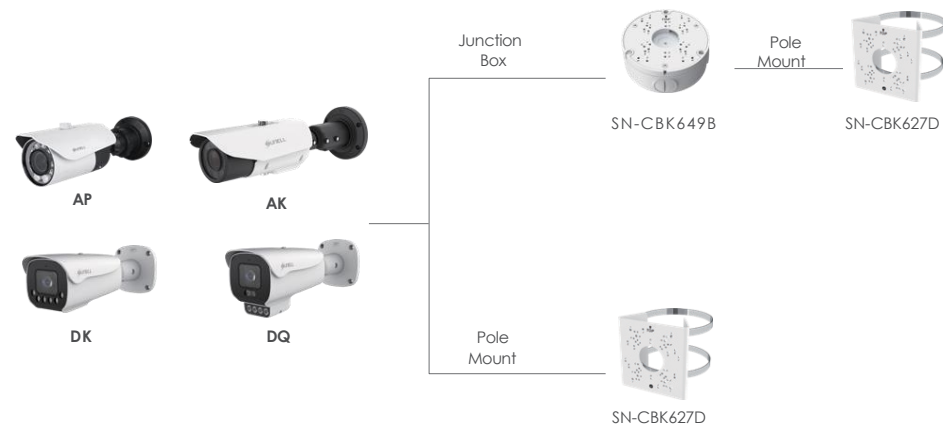
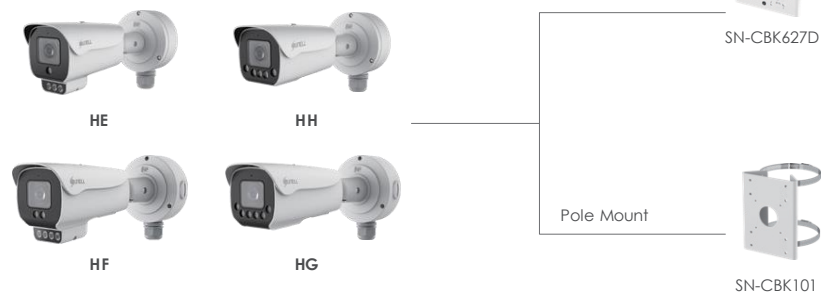
Rack Mount Switches					
Model	WD10PURZ	WD22PURZ	WD42PURZ	WD62PURZ	WD102PURZ
Appearance					
Capacity	1TB	2TB	4TB	6TB	10TB
Format	3.5 Inch	3.5 inch		3.5 inch	3.5 inch
Advanced Format	Yes	Yes		Yes	Yes
Storage Technology	CMR	CMR		CMR	CMR
Support Camera's	max 64	max 64		till 64	till 64
AI streams	N/A	N/A		N/A	N/A
Interface Speed					
Buffer to Host	6 Gb/s	6 Gb/s		6 Gb/s	6 Gb/s
Host to Disk	110Mb/s	175Mb/s		175Mb/s	175Mb/s
Cache	256	128			
Load/Unload Cycli	300.000	300.000		450.000	1.000.000
Yearly Storage	180TB	180TB		180TB	180TB
MTBF	1.000.000	1.000.000		1.500.000	2.000.000
Operating Temperature	-0°~65°C	0°~65°C		-20°~55°C	-20°~55°C
Warranty	3 years	3 years		3 years	3 years



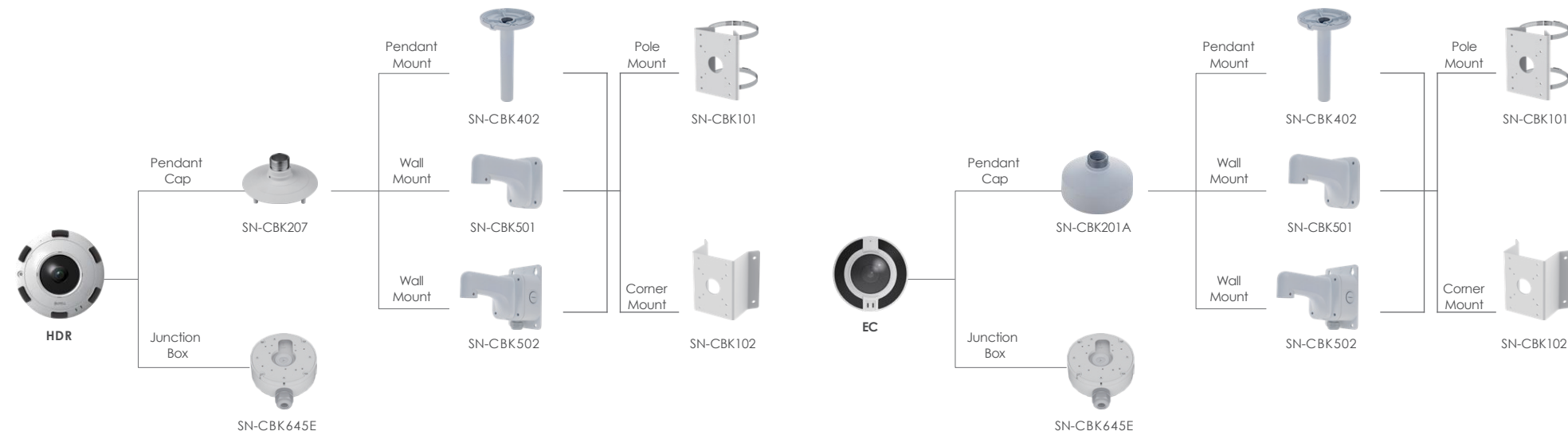
Dome Camera Mount



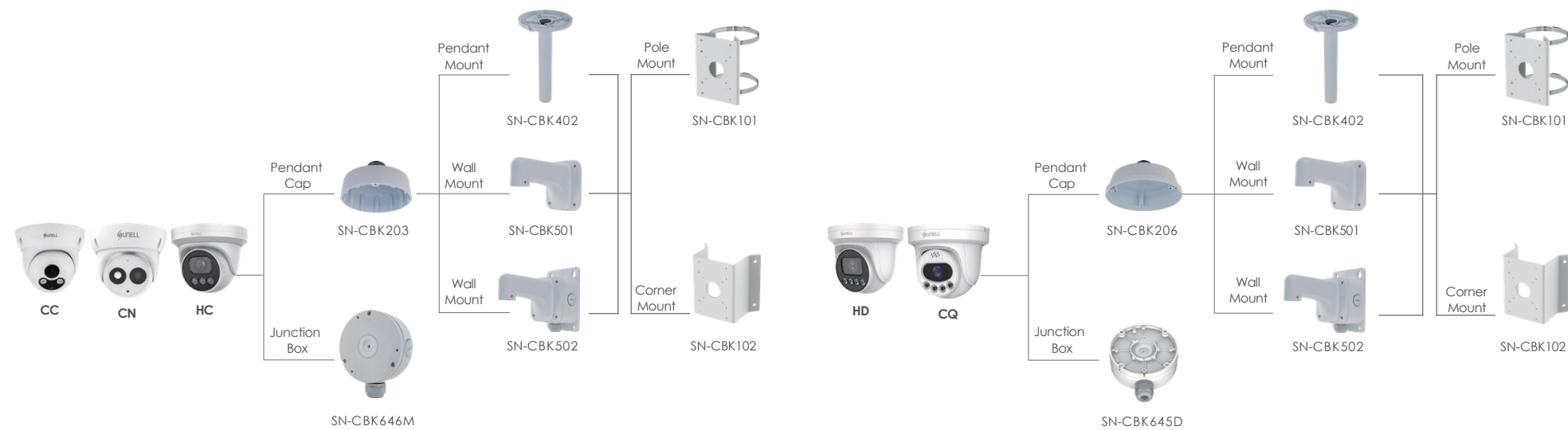
● Bullet Camera Mount



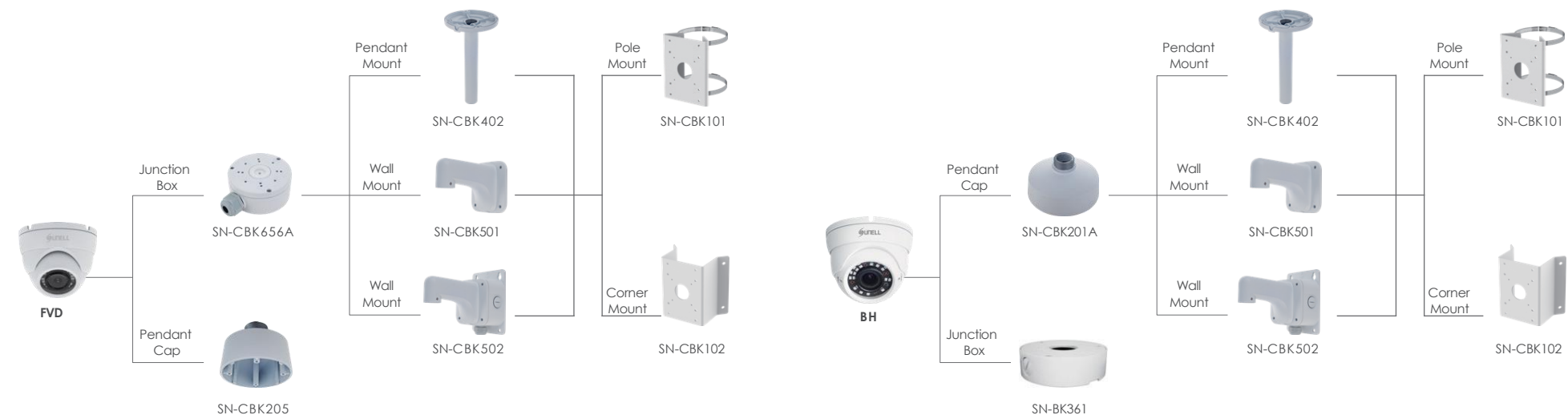
● Fisheye Camera Mount



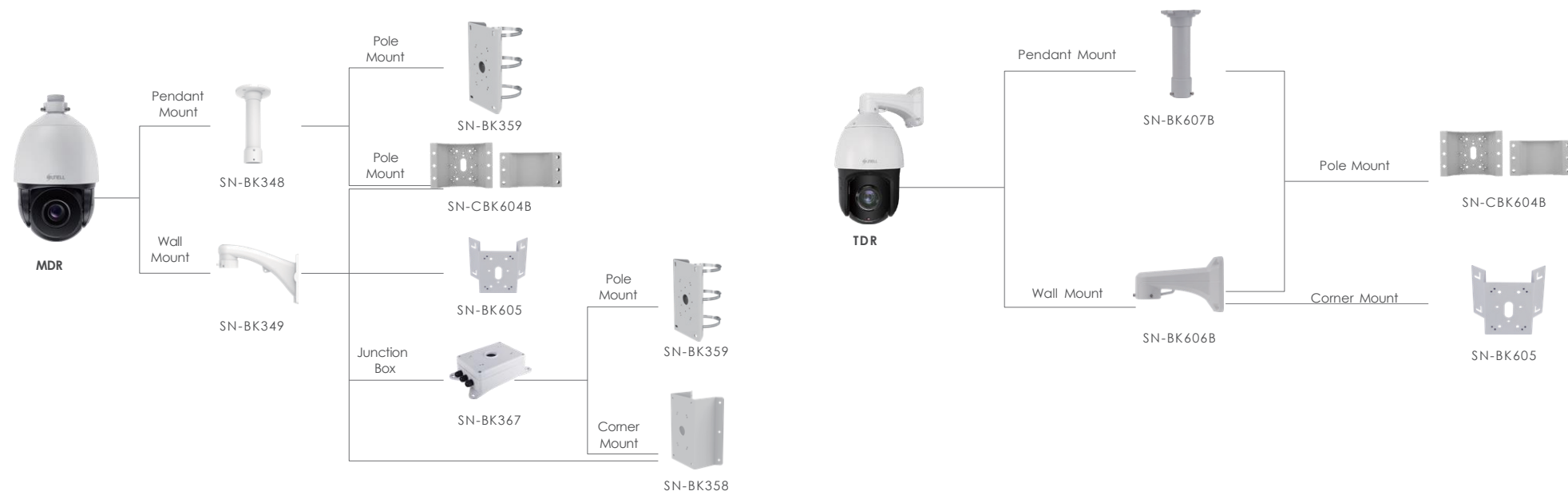
● Eyeball Camera Mount



● Eyeball Camera Mount



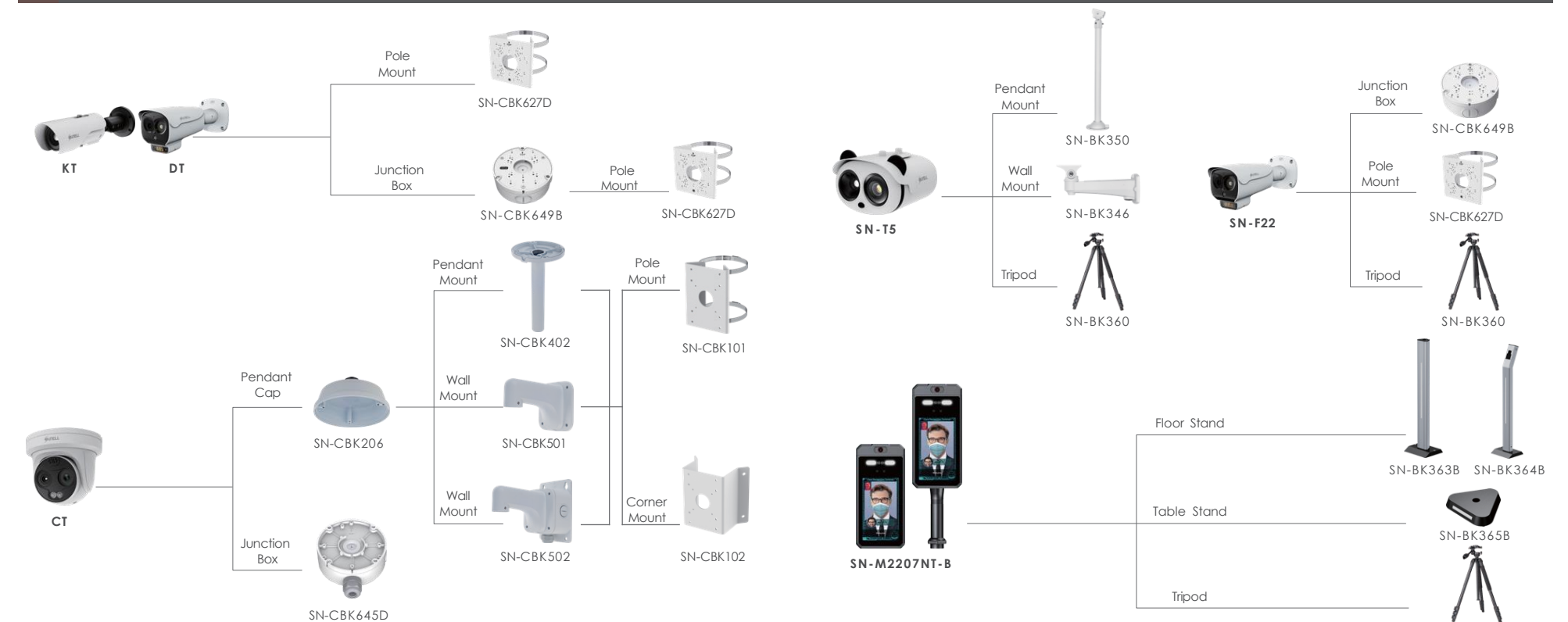
● PTZ Camera Mount



● PTZ Camera Mount



● Thermal Camera Mount



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