

What is Panoramic Surveillance?

The Sunell panoramic surveillance technology utilizes advanced fisheye lenses or multiple lens stitching techniques, enabling 180-degree, 360-degree, or 720-degree panoramic monitoring, ensuring comprehensive coverage of the monitored area. Traditional surveillance cameras may require multiple devices to cover an area, whereas Sunell's panoramic surveillance camera accomplishes this with a single device, significantly simplifying the setup and management of the monitoring system.



A Seamless Panoramic Experience

Sunell's panoramic security cameras offer extensive coverage, capturing more details from the scene with up to 8K ultra-high definition resolution, providing users with a clear and immersive panoramic viewing experience



Multiple intelligent analyses

Sunell's panoramic surveillance cameras, powered by edge-based AI algorithms, offer the following intelligent analysis functions:



AI Video Analysis

Sunell's AI video analysis is a next-generation video analysis that supports accurate detection of people and vehicles, running on Sunell cameras to enable intelligent applications. The on-board intelligent analysis includes intrusion detection, line crossing detection, loitering detection, wrong-way detection, and illegal parking detection.

Smart Motion Detection

Sunell's smart motion detection can instantly detect human and vehicle activities, effectively reducing false alarms and preventing security Personnel from wasting time verifying triggered but erroneous events.

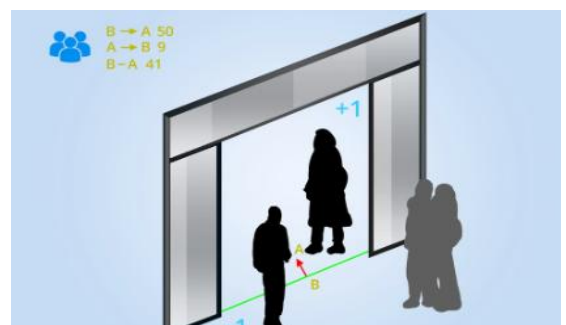


Heat Maps

By capturing real-time surveillance footage, the panoramic camera generates precise heat map of people density. This optimized layout allows for early detection of anomalies, providing real-time and visual monitoring to enhance security and crowd management efficiency.

People Counting

People counting can automatically detect the number of people appearing in the frame and provide real-time counting.



Benefits of Sunell Heat Map

Real-time Customer Tracking

Track and record the path and actions of your customers in your stores in real-time to ensure proactive monitoring, that intuitively displays the distribution of pedestrian or crowd density, making it easier to understand and analyze.



Optimizing Operations

By comparing heat maps of different time periods or locations, trends and changes in pedestrian or crowd density can be recognized, aiding in more accurate predictions and decision-making.

Detailed Reports for Managers

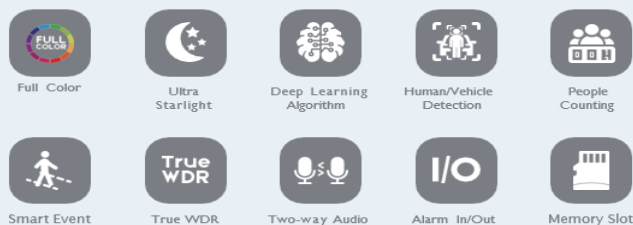
To use Sunell Heat Map function camera, It just needs one Sunell panoramic camera – no additional equipment required. It can be easily set up and provide crucial data support to help managers make more accurate predictions and decisions..



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



Model	SNIPP8058RARZ	SNIPP8085QASB	SNIPV8088ECARB	SNIPV8060ECARB
Appearance				
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 to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power	12 VDC/PoE+ (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)	12 VDC/PoE (802.3af)
Product Size	-	227.7 × 110 × 80 mm	Φ130 × 38.3 mm	Φ130 × 38.3 mm

Why Choose DSI/Sunell Products?

 <p>Factories in Shenzhen – Taiwan – Vietnam – Leipzig</p> <p>Offices in Amsterdam – Leipzig</p> <p>Warehouses in Amsterdam – Leipzig</p> <p>Employees 14</p> <p>Certifications:</p> <ul style="list-style-type: none"> • ISO9001 • ISO27001 • TAPA • VCA • VDS  <p>Company</p>	 <p>Advisor</p> <ul style="list-style-type: none"> • Single point of Contact • Projects specialist <p>Technical</p> <ul style="list-style-type: none"> • Project department • Field engineers <p>Certification</p> <ul style="list-style-type: none"> • Cisco CCNA I and II • Aries V certified Server + • Microsoft MCSA Certified Partner • VCA <p>Support</p> <ul style="list-style-type: none"> • Delivery project • Training to partners and end users • ONVIF PSIA- SDK- API-integration development  <p>Staff</p>	 <p>Production</p> <ul style="list-style-type: none"> • Shenzhen (Chinese Market) • Taiwan-Vietnam-Leipzig (NDAA-TAA Products - Software-Interfaces- Controlle Malware) <p>Warranty</p> <ul style="list-style-type: none"> • Full 7 year • Insurance against DOA and installation <p>Stock</p> <ul style="list-style-type: none"> • 2 locations • 98,7% out of Stock • Free House Benelux  <p>Products</p>	 <p>UL and TÜV Certification</p> <p>DGÜV en LGC Test</p> <p>TAPA Certification</p> <p>DIN 50134-4 Transport</p> <p>NEN 50126/50155</p> <p>VDS Certification</p>  <p>Certifications</p>
---	--	--	--

 <p>SRTP Encryption</p> <p>ENCRYPTION Key Management</p> <p>Multi-factor Authentication (KEYTALK)</p> <ul style="list-style-type: none"> • Man in the Middle Protection <p>Strong Password Policy</p> <ul style="list-style-type: none"> • min. 8 characters • Password Age  <p>Real Security</p>	 <p>Malware free</p> <p>Fraud Control</p> <ul style="list-style-type: none"> • Europe • USA <p>CyberSecurity Management Solution</p> <ul style="list-style-type: none"> • Multi Layer Protection • CyberSecurity alarm Management • Event Reports on Dashboard   <p>Malware Free</p>	 <p>Linux Certified Sysadm</p> <p>Cisco CCNA I and II</p> <p>Aries Certified server+</p> <p>Microsoft MCSA/HTML5/CSCI certified partner</p> <p>Redhat Certified Partner</p>  <p>ICT Infrastructure</p>
---	---	--