

Senao AI Cloud Camera Series

High-performance Cloud-AI Surveillance for Modern Security Demands

- SLD-0501FX
- SLB-0501FX
- SLD-0803VR
- SLD-0801FX



Overview

The Senao AI Cloud Camera Series offers an all-encompassing security solution for businesses of all sizes. Combining advanced AI analytics, seamless cloud integration, and flexible storage options, this series provides unparalleled surveillance capabilities. With multiple models tailored for diverse requirements, including SLD-0501-FX, SLB-0501FX, SLD-0803VR, and SLD-0801FX, the series ensures robust security and intelligent monitoring for every scenario.

Features & Benefits

Superior Image Quality and Coverage:

- High-resolution sensors ranging from 5MP to 10MP, featuring HDR and advanced AI-powered analytics for clear day/night images.
- Wide-angle views up to 180° and IR distances up to 30m, ensuring comprehensive coverage tailored to each model in the series.

Reliable Storage and Durability:

- Flexible storage options across the series, including up to 512GB onboard storage and expandable SD card slots, enabling continuous recording for weeks
- IP67 and IK10 ratings for weather and vandal resistance.

Smart Motion Analysis and Alerts :

- AI-powered metadata search for objects within user-defined regions of interest.
- Customized and instant alerts for AI-detected events in specified areas.

Remote Monitoring and Management:

- Manage remotely via Senao Cloud Dashboard.
- Monitor on-the-go with the cloud-managed mobile app.



SLD-0501FX



SLB-0501FX



SLD-0803VR



SLD-0801FX

AI Cloud Surveillance Solution



Advanced **VSaaS Hybrid** solution by leveraging **AI cameras**.

In-camera memory for customer **privacy** and **distributed storage**.

Combines the best of **edge computing** and **cloud-based services**.

Senao Hybrid VSaaS for intelligent surveillance

Senao presents an advanced Hybrid VSaaS solution with AI cameras directly connecting to the Cloud for seamless management. Our edge AI cameras feature in-camera memory for local storage, ensuring enhanced privacy and efficient data handling. This solution leverages AI smart search capabilities in the Cloud, utilizing metadata for superior surveillance insights and efficient data management.



Why Senao AI Cloud surveillance

<p>Cloud + AI Edge</p> <p>Combines AI edge computing and cloud services to optimize surveillance capabilities.</p>	<p>Big Data Utilization</p> <p>Builds a big data repository and uses AI for deep insights, efficient data management, and search capabilities.</p>	
<p>Cost Efficiency</p> <p>Transmits only metadata to the cloud, reducing bandwidth and costs.</p>	<p>Scalability</p> <p>Easily scalable for seamless management across multiple tenants.</p>	<p>Privacy & Security</p> <p>Stores video locally, ensuring sensitive information remains secure and private.</p>

Senao AI-Enhanced Surveillance

Leverage AI for Advanced Event Analysis Tailored to Your Security Needs



Senao's AI-enhanced surveillance capabilities empower users to conduct detailed investigations by identifying specific attributes of people and vehicles within their security AI-powered search with natural and multiple languages to query rich information of people/vehicle features, actions, scenario happening in the video. By utilizing precise descriptions, users can efficiently track and monitor activities, enabling a deeper and more focused investigation experience, perfectly aligned with your organization's security requirements.

Intelligent Metadata Search

Advanced Search Capabilities:

Boost surveillance efficiency with advanced metadata search, allowing for quick and precise event location.

Region of Interest (ROI) Filtering:

Focus on key areas using ROI filtering, enabling targeted analysis of specific zones within camera views.

Cross-Camera Analysis:

Quickly analyze events across multiple cameras with crossing camera search powered by Senao Cloud AI providing a comprehensive view of security incidents.

Enhanced Area Surveillance

Crowd Management:

Effectively manage and monitor crowd congestion, ensuring optimal space utilization and safety.

Real-Time Alerting:

Receive immediate alerts for potential issues, enabling prompt response to security concerns.

Access Control:

Protect restricted areas from unauthorized access, maintaining the integrity of secure zones.

Accurate Object Tracking and Counting

Precise Monitoring:

Accurately monitor and count people and vehicles, providing valuable data for security and operational insights.

Multi-Point Alerting:

Customize alerts for multiple entrance points, ensuring comprehensive coverage of all access areas.

In-Depth AI-Driven Activity Insights

Trend Analysis:

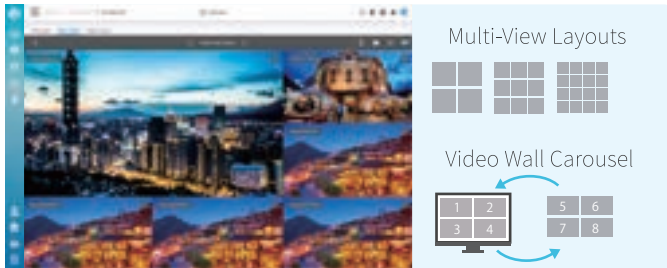
Analyze and track counting data over time, identifying patterns and anomalies for proactive security measures.

Visual Activity Mapping:

Use heatmaps to visualize and manage activity hotspots, optimizing resource allocation and security strategies.

Seamless Live Video Surveillance

Provide live video monitoring with multi-view layouts, a video wall carousel, and shareable video wall URLs. It ensures seamless access and collaboration while maintaining privacy by not saving footage to the cloud by default.



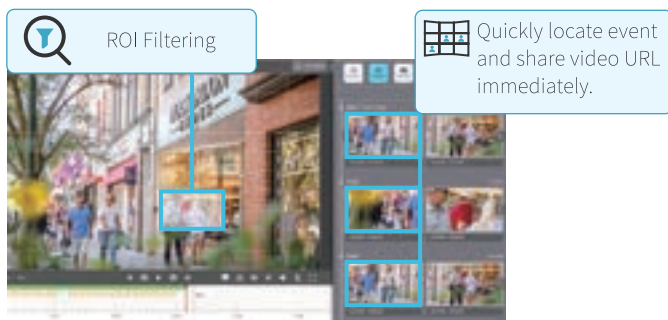
Advanced Video Playback

Offer advanced video playback with immediate access through local storage, event snapshots for quick and easy timeline navigation, and flexible video quality settings. Share video URLs or export videos effortlessly when suspicious activity is detected.



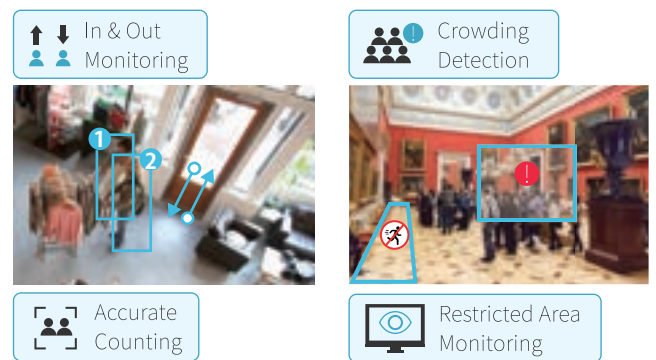
AI-Powered Metadata Search

Leverage AI-powered metadata search to enhance surveillance. With Region of Interest (ROI) filtering and cross-camera search capabilities, users can quickly locate and analyze events across multiple cameras, ensuring comprehensive monitoring and swift response.



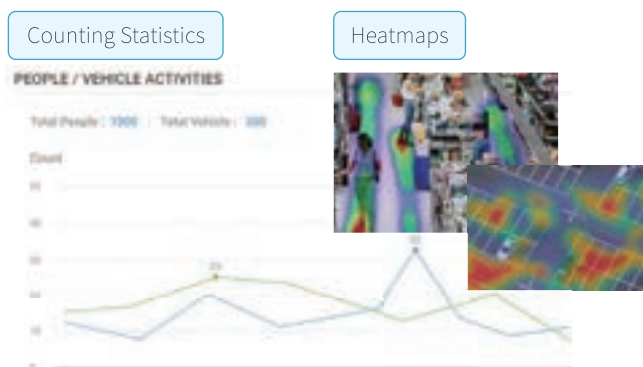
Intelligent Monitoring, Detection, and Alerts

Advanced Region/Area and Cross-line Object Detection features crowding detection, restricted area monitoring, accurate counting, and proactive alerts. Efficiently monitor and manage multiple entrances and areas with real-time notifications and customizable settings.



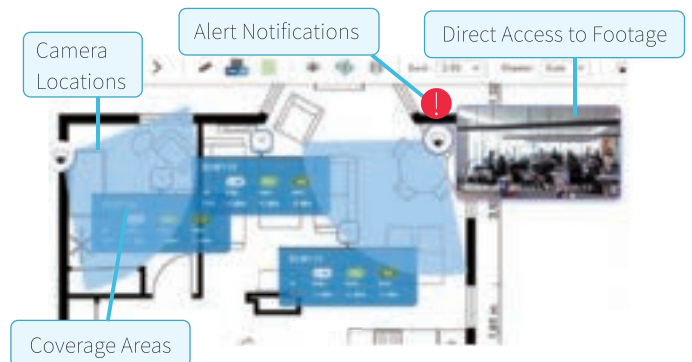
Comprehensive AI-driven Metadata Insights

Leverage AI-driven metadata to gain detailed insights into people and vehicle activities. Track and analyze counting statistics over time and visualize usage patterns with heatmaps to highlight activity hotspots for better security management.







Efficient Management with Floor Plan Mapping

Utilize floor plan mapping to display exact camera locations and coverage areas, identify blind spots, and receive real-time alert notifications. Directly access live or recorded footage by clicking on camera icons for efficient surveillance management.



Technical Specifications

Model	SLD-0501FX	SLB-0501FX	SLD0803-VR	SLD0801-FX
				
Type	5MP	5MP	8MP	10MP
Model Name	Cam5MP Dome	Cam5MP Dome	Cam8MP Dome	Cam10MP Dual Dome
Optics				
Sensor	1/2.8 " Sony Starvis 5MP CMOS		1/2.8 "Sony Starvis 8MP CMOS	1/2.8 "Sony Starvis II 5MP CMOSx2
Lens	Fixed 3.16mm	Fixed 4mm	Varifocal 3.2~10.5mm motorized zoom	Fixed 2.2mm x 2
View Angle	H: 102°, V: 71.6°, D: 132°		H: 97°~35.3°, V: 56.1°~20.3°, D: 115°~41.7°	H: 180°, V: 85°
Night Vision	Built-in IR LED illumination and IR cut filter			
IR Distance	>20m / 66ft		30m / 98ft	
Lens Adjustment Range	Manual, Pan:0°~350°, Tilt:0°~90°, Roll:0°~350°	Manual, Tilt:0°~90°, Roll: 0°~180°	Manual, Pan: 0°~350°, Tilt:0°~ 60°, Roll:0°~ 350°	Manual, Tilt: 0° ~20°
Video				
Resolution	5MP 2592 x 1944 (4:3)		8MP 3840x2160 (16:9)	8MP (Video Alignment)
Frame Rate	20 FPS			
Video Compression	H.265, H.264		H.265, H.264, Smart Stream	
Streaming Bitrate	768Kbps ~ 2.5Mbps (Optional)		600Kbps ~ 6Mbps (Optional, Adaptive)	
Video Processing	AE, AWB, AGC, BLC, HLC, WDR, HDR, 3DNR, Privacy Mask, OSD, Video Orientation		AE, AWB, AGC, BLC, LDC, WDR, HDR(120dB), 3DNR, Privacy Mask, OSD, Video Orientation	AE, AWB, AGC, BLC, LDC, WDR, HDR(120dB), 3DNR, Privacy Mask, OSD, Video Orientation, Auto Sticking, Region Crop
Audio				
Audio Format	AAC, G.711	-	AAC, G.711	
Microphone	Built-in, 5m / 15ft distance	Not supported	Built-in, 5m / 15ft distance	
Advanced AI Analytics				
AI NPU	Built-in			
People Detection and Tracking	History search, People counting			
Vehicle Detection and Tracking	History search, Vehicle counting			
Tampering Detection	Event alert			
Restricted Area Detection	Event alert, Object counting			
Cross Line Detection	Event alert, Object counting			
Person Attribute Detection	-		History search, Target alert	
Vehicle Attribute Detection	-		History search, Target alert	
Facial Recognition	-		History search, Search by Photo, Target alert	
License Plate Recognition	-		History search, Target alert	
Senao Cloud AI	Support			

Technical Specifications

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Type	5MP	5MP	8MP	10MP
Model Name	Cam5MP Dome	Cam5MP Dome	Cam8MP Dome	Cam10MP Dual Dome
Storage				
Storage Size	256GB on board		512GB on board	
Retention Method	24/7 seamless, Auto Recycling			
Retention Days	20 days based on video bitrate		30 days	
Recording Encryption	-	-	AES128	
Storage Redundancy	Support Senao NVS and Cloud storage			
System				
LED Indicator	System power and status indicator			
RTSP	Supported			
Networking Interface	10/100 MbE RJ45 port		10/100/1000 MbE RJ45 port	
Power Method	PoE 802.3af Class 2	PoE 802.3af Class 3		
Max. Power Consumption	5.2W	7.5W	12.9W	15W
Operating Temperature	-20°C ~ 50°C / -4°F ~ 122°F		-40°C ~ 50°C / -22°F ~ 122°F	
Humidity	98%		5%~90%	
Certifications	CE, FCC			
Mechanical				
Enclosure Material	Aluminum alloy, Polycarbonate			
Weatherproofing	-	IP66	IP67	
Resistance	IK10	IK04	IK10	
Dimensions	Ø121.7 x 94.8 mm (Ø4.79 x 3.73")	Ø70x 242.2 mm (Ø2.76 x 9.54")	Ø155 x 106 mm (Ø6.10x 4.17")	
Weight	525g / 18.5oz	600g / 21.16oz	994g / 35.06oz	1100g / 38.8oz
Management Software				
Web Browser	Chrome, Safari, Edge			
Mobile App	iOS and Android			

Senao Networks, Inc

Headquarter

TEL: 886-3-3289289
 No. 500, Fuxing 3rd Rd., Hwa-Ya Technology Park, Guishan Dist.,
 Taoyuan City 333001, Taiwan
www.senaonetworks.com/en
inquiry@senaonetworks.com

Netherlands Office

TEL: +31-40-8200-888
 Fellenoord 180, 5611 ZB Eindhoven, The Netherlands

USA Office

TEL: +1-714-432-8668
 1580 Scenic Ave., Costa Mesa, CA 92626, U.S.A.

India Office

TEL: +91-7674067729
 901, 9th Floor, Gowra Palladium, Silpa Gram Craft Village,
 HITEC City, Hyderabad, Telangana 500081, India

Singapore Office

TEL: +65-6227-1088
 215 Henderson Road #01-04, Henderson Industrial park,
 Singapore 159554



www.senaonetworks.com/en

Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense. Prior to installing any surveillance equipment, it is your responsibility to ensure the installation is in compliance with local, state and federal video and audio surveillance and privacy laws.

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