

Sens-Cam 4K

On-device edge AI



Landscape or
Corridor Format

AI Analytics
On-board

HTTPS and Video
Encryption

Privacy
By-design

ONVIF
Compliant

More than a camera.

Sens-Cam AI is a device that provides advanced behavioral analytics. Unique design powered with embedded AI for security, smart city and business intelligence applications.



Spark uses the best core technology to build new cameras, from product concept to manufacturing.

Specifications

- ▶ SR-C-I823W-(1)(2)(3) ▶ SR-C-I824W-(1)(2)(3) ▶ SR-C-I826W-(1)(2)(3)
 ▶ SR-C-I833W-(1)(2)(3) ▶ SR-C-I834W-(1)(2)(3) ▶ SR-C-I836W-(1)(2)(3)

Camera	Image Sensor	Sony Starvis™ CMOS Progressive Scan 1/1.8"		
	Lens	FL 3mm, F# 1.6 FOV: H 109.9°, V 56,7°	FL 4mm, F# 1.6 FOV: H 86.7°, V 48,8°	FL 6mm, F# 1.6 FOV: H 59.9°, V 34,7°
	Day/Night	Automatically removable infrared-cut filter, IR correction, ambient light sensor		
	Min. Illumination	0.05Lux (Color), 0Lux (night mode with IR)		
	IR Illuminators	850nm Infrared emitters up to 40 meters	850nm Infrared emitters up to 40 meters	850nm Infrared emitters up to 40 meters
	Shutter Speed	1 ~ 1/10000s		
Video	Compression	H.265, H.264 high/main/basic, MJPEG		
	Resolution	3840x2160		
	Frame Rate	Up to 30fps		
	DORI Table	D=53.7 m, O=21.7 m, R=10.7 m, I=5.4 m,	D=81 m, O=32.7 m, R=16.2 m, I=8.1 m	D=133 m, O=53.7 m, R=26.6 m, I=13.3 m
	Streaming Mode	Primary profile up to 3840x2160 Secondary profile up to 640x480		
	Bitrate	Up to 40Mbps		
	WDR	62dB		
	Image Settings	3D denoise, brightness, saturation, contrast, sharpness, white balance, auto/ manual exposure, text overlay, image rotation (0°, 90°, 180°, 270°, mirror, flip)		
	Privacy Mask	Up to 5 masks		
	Streaming Protocol	RTSP over UDP/TCP, RTSP over HTTPS, unicast & multicast		
Audio	Compression	G.711 u-law, G.711 a-law		
	Streaming	Two-way audio, full duplex		
	Interface	Line in, line out ¹		
	Internal Mic.	-35dB sensitivity @ 1KHz		
Network	Security	No default user, complex password protection, HTTPS encryption, IP Filtering, Basic/Digest Authentication, Lock on login fails		
	Protocols	IPv4, IPv6, Bonjour, TCP/IP, DHCP, DNS, DynDNS, PPPoE, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP, SMTP, FTP		
System Integration	AI Analytics	AI Module "People & Vehicles" ² (person, bicycle, car, motorbike, bus, van and truck classification): Audio detection, Intrusion, Loitering, Tripwire, People Density, In/Out Count, Heatmap. AI Module "Traffic" ³ (person, bicycle, cargo bike, e-scooter, car, motorbike, bus, van, truck, heavy truck): Audio detection, Intrusion, Loitering, Tripwire, In/Out Count, Heatmap, Queue Detection, Average Speed, Parking, Wrong turn.		
	Event Triggers	Analytics event, digital input ¹ , network loss, periodical timer		
	Event Actions	Network video/snapshot storage, Edge video/snapshot storage, FTP upload, Email, HTTP event, HTTPS event, Alarm out pre/post/during event, play user audio		
	Data Streaming	Real time Metadata streaming (HTTP server push)		
	ONVIF	S, T		

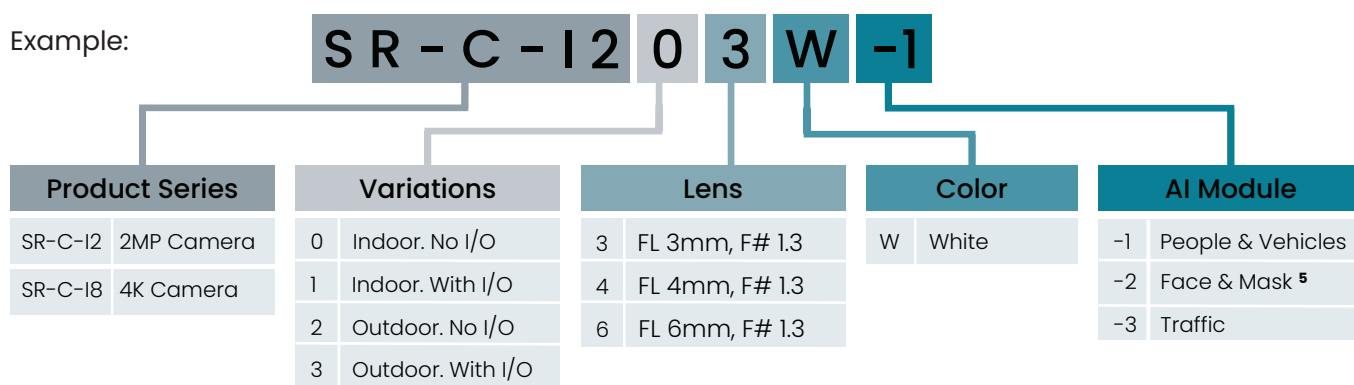
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- ▶ SR-C-I834W-(1)(2)(3)
- ▶ SR-C-I836W-(1)(2)(3)

General	Dimensions	143x78x59mm
	Weight	~ 0.8kg
	Sunshield	Yes
	Housing	Diecast aluminium
	Color	White, more on demand
	Certifications	IP67, IK10, CE, FCC
	Edge Storage	MicroSDHC/SDXC card slot (up to 512GB)
	Alarm I/O ¹	1 x Optoisolated (2.5KV) Digital IN, 1 x Relais (30VDC 1A/250VAC 0.15A/125VAC 0.3A) Digital OUT
	Connectors	Digital I/O + Audio Line IN/OUT + DC Power ¹ , RJ45 802.3af PoE connector + Reset
	Network	RJ45 10/100Mbps - IEEE 802.3af PoE
	Power	12VDC 2A ¹ or RJ45 IEEE 802.3af PoE
	Operating Temp.	-40°C ~ 50°C
	Languages	Italian, English, Traditional Chinese, more on demand
Accessories	Pole Mount	Available
	Junction Box	Available, included ⁴

Sens-Cam AI Naming Rule

Example:



Notes:

¹ Applicable for models SR-C-I83XX-X

² Applicable for models SR-C-I8XXX-1

³ Applicable for models SR-C-I8XXX-3

⁴ Applicable for models SR-C-I83XX-X

⁵ On-demand



spark

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