

Sens-Cam

On-device edge AI



Outdoor
and Indoor

AI Analytics
On-board

HTTPS and Video
Encryption

Privacy
By-design

ONVIF
Compliant

More than a camera.

Sens-Cam 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-I203W-(1)(2)
- ▶ SR-C-I213W-(1)(2)
- ▶ SR-C-I223W-(1)(2)
- ▶ SR-C-I233W-(1)(2)

- ▶ SR-C-I204W-(1)(2)
- ▶ SR-C-I214W-(1)(2)
- ▶ SR-C-I224W-(1)(2)
- ▶ SR-C-I234W-(1)(2)

- ▶ SR-C-I206W-(1)(2)
- ▶ SR-C-I216W-(1)(2)
- ▶ SR-C-I226W-(1)(2)
- ▶ SR-C-I236W-(1)(2)

Camera	Image Sensor	Sony Starvis™ CMOS Progressive Scan 1/2.8"		
	Lens	FL 3mm, F# 1.3 FOV: H 106.9°, V 56.8°	FL 4mm, F# 1.3 FOV: H 86.1°, V 46.6°	FL 6mm, F# 1.3 FOV: H 55.5°, V 29.4°
	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 20 meters	850nm Infrared emitters up to 20 meters	850nm Infrared emitters up to 40 meters
	Shutter Speed	1 ~ 1/10000s		
	Video	Compression	H.265, H.264 high/main/basic, MJPEG	
Resolution		1920x1080 (1536x864, 1280x736, 1024x576, 960x544, 768x432, 640x360)		
Frame Rate		Up to 60fps		
DORI		Detect (25ppm)=28.4m, Observe (62ppm)=11.4m, Recognize (125ppm)=5.7m, Identify (250ppm)=2.8m		
Streaming Mode		Primary profile up to 1920x1080 Secondary profile up to 960x544		
Bitrate		Up to 40Mbps		
WDR		72dB		
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 People & Vehicles ² : Human/Vehicle Detection and Classification, Intrusion, Loitering, Tripwire, People Density, In/Out Count, Heatmap, Audio Detection, AI Face & Mask ³ : Face Detection, Mask Detection, Audio detection		
	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		

Specifications

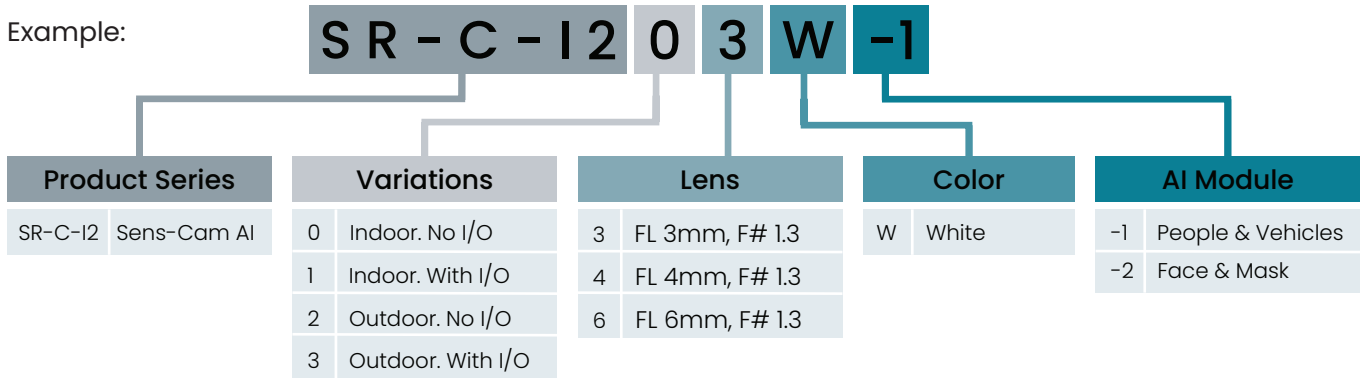
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General	Dimensions	143x78x59mm
	Weight	~ 0.8kg
	Sunshield	Yes ⁴
	Housing	Diecast aluminium
	Color	White, more on demand
	Certifications	IP67 ⁴ , IK10, CE, FCC
	Edge Storage	MicroSDHC/SDXC card slot (up to 512GB)
	Alarm I/O ¹	1 x Optoisolated (2.5KV) 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 ⁵

Sens-Cam AI Naming Rule



Notes:

- ¹ Applicable for models SR-C-I21XX-X and SR-C-I23XX-X
- ² Applicable for models SR-C-I2XXX-1
- ³ Applicable for models SR-C-I2XXX-2
- ⁴ Applicable for models SR-C-I22XX-X and SR-C-I23XX-X
- ⁵ Applicable for models SR-C-I23XX-X