CITY SCAN
TECH



Sentinel Series

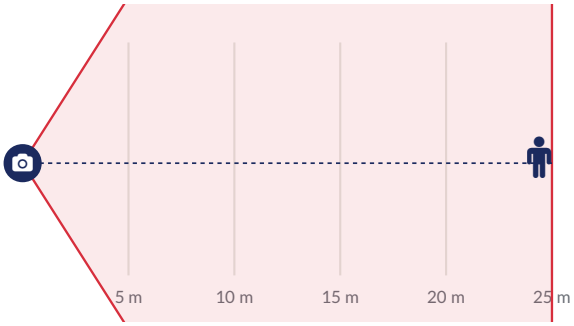
CS-SB8M2.0

8 MP AI Active-Deterrence Bullet Camera

180° panoramic 4K active-deterrence bullet with a 2.0 mm ultra-wide lens, built-in red & blue flashing lights, microphone & speaker and dual-light night vision.

COVERAGE

2.0 MM · 180° HFOV · 25 M IR



AI HIGHLIGHTS

- Active deterrence · red / blue lights
- Perimeter intrusion (PID)
- Line crossing (LCD)
- Pedestrian & vehicle (PD / VD)

8MP 8 MP 4K Resolution	180° Panoramic View	Red / Blue Flashing Lights	Dual Light · IR + Warm
25 m IR Night Vision	Microphone & Speaker	PoE Powered	IP67 Weatherproof

KEY FEATURES

- 1/2.8” progressive CMOS, 8 MP 4K
- 2.0 mm lens · 180° horizontal field of view
- Dual light: 25 m IR / 15 m warm light
- Built-in red & blue flashing lights
- Built-in microphone & speaker
- Smart: PID, LCD, PD / VD, SOD, CC, heat map, RSD

IDEAL FOR

- Retail stores
- Offices
- Villas
- Warehouses
- Entrances
- Parking areas

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— SECTION 01

Technical Specifications

REFERENCE
CS-SB8M2.0
8 MP · AI

01 Imaging

Image Sensor	1/2.8" Progressive CMOS
Effective Pixels	8 MP · 3840 (H) × 2160 (V)
Min. Illumination	Colour 0.007 lux @ F1.0 (AGC ON) · B/W 0 lux @ IR on
Image Setting	Day & Night / Full Colour / Schedule
Wide Dynamic Range	WDR
Noise Reduction	3D DNR
Backlight Compensation	Off / On (5 zones)
Gain Control	Auto
White Balance	Auto / Manual
Shutter	1/5 – 1/20,000 s
Privacy Masking	Off / On (4 zones, rectangle)

02 Lens

Lens Type	M12
Focal Length	2.0 mm
Aperture	F2.4
Field of View	H 180° · V 91° · D 180°
Min. Object Distance	0.6 m

03 Illumination

IR Illumination	2 LEDs · up to 25 m
Warm Light	2 LEDs · up to 15 m

07 Electrical

Power Supply	DC 12 V / PoE (IEEE 802.3af)
Power Consumption	Max. 12 W

08 Mechanical

Dimensions (W × H × D)	Ø 95 × 241.3 mm
Weight	Approx. 836.3 g
Body Material	Metal
Ingress Protection	IP67

04 Video

Compression	H.265 / H.264
Main Stream	50/60 Hz @ 20 fps: 8MP (3840×2160) · 5MP (2592×1944, 3072×1728) · 4MP (2592×1520) · 3MP (2304×1296) · 1080P (1920×1080) · 960P (1280×960) · 720P (1280×720)
Sub Stream	50/60 Hz @ 20 fps: 720P (1280×720) · VGA (640×480)
Mobile Stream	50/60 Hz @ 20 fps: VGA (640×480)
Bitrate	256 Kbps – 16 Mbps
Bitrate Control	CBR / VBR
Streaming	Triple-stream (Main / Sub / Mobile) · Unicast / Multicast
Motion Detection	Off / On (8 levels)

05 Audio & Smart

Audio	Built-in microphone & speaker
Alarm	Built-in red & blue flashing lights
Edge Storage	MicroSD slot, up to 256 GB
Hardware Reset	Yes
Smart Analytics	PID (perimeter intrusion) · LCD (line crossing) · PD / VD (pedestrian / vehicle) · SOD · CC (crossing counting) · Heat Map · RSD (rare sound)

06 Network

Ethernet	RJ45 (10/100BASE-T)
IP Version	IPv4 / IPv6
Protocols	TCP/IP · HTTP · HTTPS · DHCP · DNS · DDNS · RTP/RTSP · SMTP · NTP · UPnP · SNMP · FTP
Compatibility	ONVIF Profile S / G / T
Security	IP address filter · Complex password · Authenticated username & password
Web Viewer	IE 10 / 11 · Safari 12.1+ · Firefox 52+ · Chrome 57+ · Edge 79+

09 Environmental

Operating Conditions	−35 °C to +60 °C · ≤ 95% RH

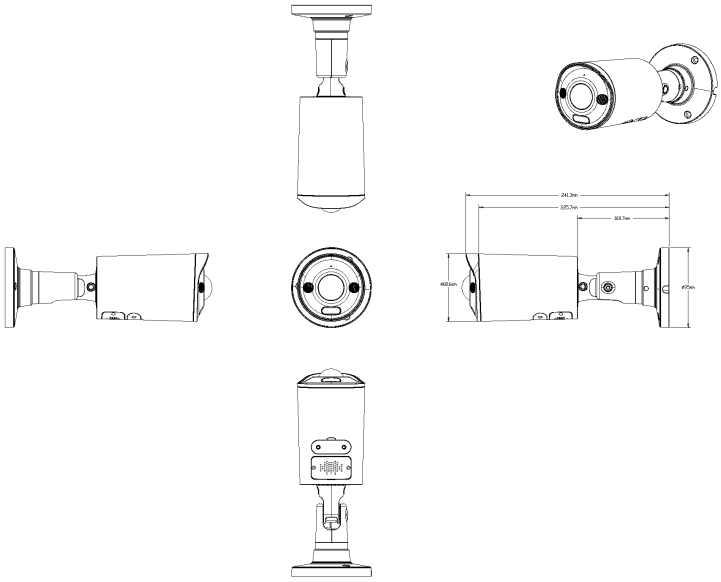
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— SECTION 02

Dimensions, Build & Ordering

DRAWING
ALL UNITS MM
TOL ±0.5

FIG 01 · DIMENSIONAL DRAWING



In the Box

- Bullet camera unit
- Self-adhesive mounting template
- Wall plug & screw kit
- Waterproof RJ-45 connector
- Quick-start guide
- Warranty card

Ordering Information

SKU / MODEL CODE
CS-SB8M2.0

Sentinel · 8 MP AI Active-Deterrence Bullet, 2.0 mm 180°, PoE, IP67

REGULATORY & CERTIFICATIONS

CE · FCC · ROHS · ONVIF

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