CITY SCAN
TECH



Lumina Series

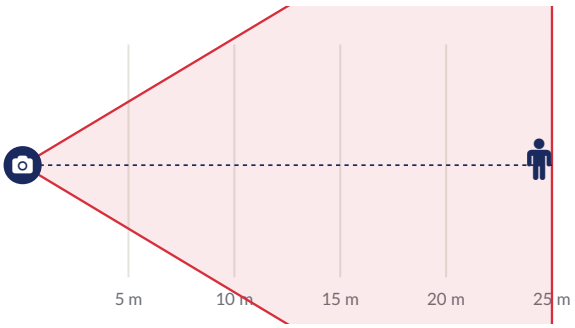
CS-LD5M2.8

5 MP AI Dome Network Camera

Wide-angle dual-illumination AI dome with full-colour night vision, switchable warm-light and IR, built-in microphone and IP67 vandal-resistant housing.

COVERAGE

2.8 MM · 110° HFOV · 25 M IR



AI HIGHLIGHTS

- Face detection
- Pedestrian & vehicle
- Line crossing & intrusion
- Heat map & crowd density

5MP 5 MP Resolution	AI Analytics	Full-Colour Night Vision	Dual Light · IR + Warm
Human & Vehicle	Built-in Microphone	PoE Powered	IP67 Weatherproof

KEY FEATURES

- 1/2.7” progressive CMOS, 5 MP
- 2880 × 1620 max resolution
- 2.8 mm wide-angle lens, F1.6
- Dual-light: 25 m IR + 20 m warm light
- Full-colour smart illumination
- Edge AI: face, line crossing, intrusion, heat map

IDEAL FOR

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

© 2026 SAFETY VISION UK · ALL RIGHTS RESERVED

— SECTION 01

Technical Specifications

REFERENCE
CS-LD5M2.8
5 MP · AI

01 Imaging

Image Sensor	1/2.7" Progressive CMOS
Effective Pixels	5 MP · 2880 (H) × 1620 (V)
Min. Illumination	0.004 lux @ F1.6 (AGC ON) · 0 lux IR on
Wide Dynamic Range	DWDR
Day / Night	Full Colour · Day & Night · Smart Illumination
Noise Reduction	3D DNR
White Balance	Auto / Manual
Shutter	1/5 – 1/20,000 s
Defog	Supported

02 Lens

Lens Type	Fixed (M12)
Focal Length	2.8 mm
Aperture	F1.6
Field of View	H 110° · V 58° · D 133°
Min. Object Distance	2 m

03 Illumination

IR LEDs	1
IR Range	Up to 25 m
Warm-Light LEDs	2
Warm-Light Range	Up to 20 m
Default Illumination	Warm light · switchable to infrared

09 Environmental

Operating Conditions	−35 °C to +60 °C · RH < 90% non-condensing

04 Video

Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Main Stream	2880 × 1620 @ 25 fps
Sub Stream	704 × 480 @ 25 fps
Bitrate	256 Kbps – 8 Mbps
Bitrate Control	CBR / VBR
Motion Detection	Off / On (8 levels)

05 Audio & Smart

Audio	Built-in microphone
Edge Storage	MicroSD up to 256 GB
AI Analytics	Face Detection · Pedestrian & Vehicle · Perimeter Intrusion · Line Crossing · Object Detection · Crossing Counting · Heat Map · Crowd Density · Region Entrance / Exiting

06 Network

Ethernet	RJ45 (10 / 100 BASE-T)
Protocols	TCP/IP · HTTP · HTTPS · DHCP · DNS · DDNS · RTP · RTSP · SMTP · NTP
Compatibility	ONVIF Profile S / G / T / M
IP Version	IPv6
Security	Complex password · Auth. user / password
Web Viewer	Plug-in free / IE, Edge, Chrome, Firefox, Safari

07 Electrical

Power Supply	DC 12 V (max 5.1 W) / PoE 48 V (max 6.8 W)
Power Consumption	DC 12 V max 5.1 W · PoE max 6.8 W

08 Mechanical

Dimensions	Ø 100 × 87.6 mm
Body Material	Metal
Finish	RAL 9003 — Signal White
Ingress Protection	IP67

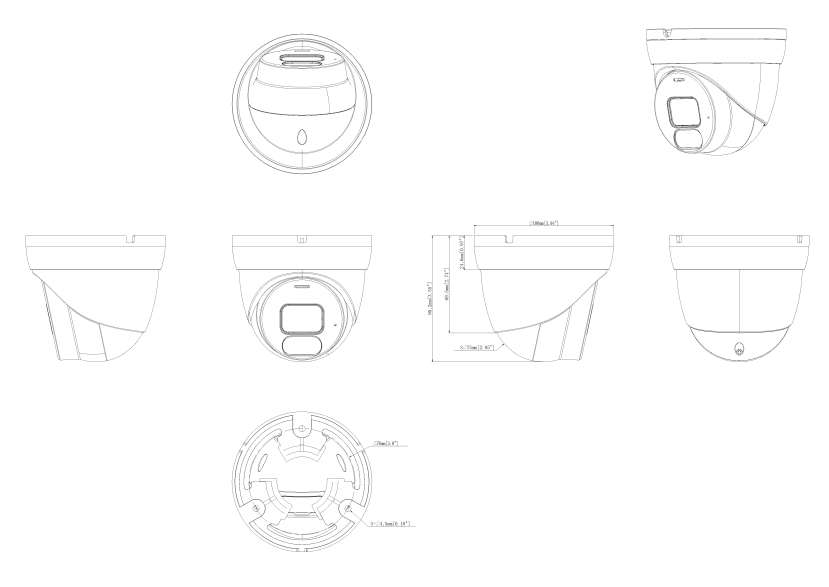
© 2026 SAFETY VISION UK · ALL RIGHTS RESERVED

— SECTION 02

Dimensions, Build & Ordering

DRAWING
ALL UNITS MM
TOL ±0.5

FIG 01 · DIMENSIONAL DRAWING



In the Box

- Dome 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-LD5M2.8

Lumina · 5 MP AI Dome, 2.8 mm fixed lens, PoE, IP67

REGULATORY & CERTIFICATIONS

CE · FCC · ROHS · ONVIF

ADDRESS
Safety Vision UK · South Bank, Chelford Road, Siddington, Macclesfield, SK11 9LF

WEB
safetyvision.uk

EMAIL
info@safetyvision.uk

PHONE
+44 7926 689141

© 2026 SAFETY VISION UK · ALL RIGHTS RESERVED