CITY SCAN
TECH



Arrow Series

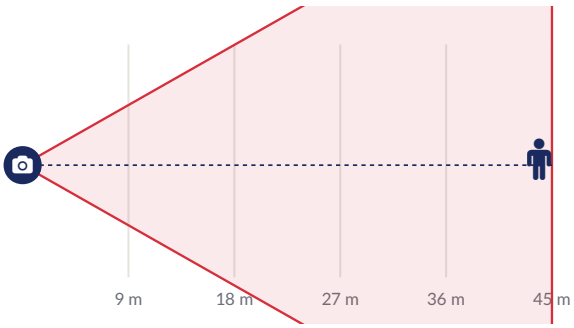
CS-AB5M2.812

5 MP AI Motorized Bullet Network Camera

Varifocal AI bullet camera with 2.8–12 mm motorized zoom, full deep-learning analytics, long-range IR and IP67 weatherproofing.

COVERAGE

2.8–12 MM · 107° HFOV · 45 M IR



AI HIGHLIGHTS

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

5MP 5 MP Resolution	AI Analytics	2.8–12 mm Motorized Zoom	45 m IR Night Vision
Human & Vehicle	Two-Way Audio	PoE Powered	IP67 Weatherproof

KEY FEATURES

- 1/2.7” progressive CMOS, 5 MP
- 2880 × 1620 max resolution
- 2.8–12 mm motorized varifocal, F1.8
- DWDR & 3D DNR enhancement
- Dual main / sub video streams
- Edge AI: face, line crossing, intrusion, heat map, LPR

IDEAL FOR

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

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— SECTION 01

Technical Specifications

REFERENCE
CS-AB5M2.812
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 @ F1.8 (AGC ON) · 0 lux IR on
Wide Dynamic Range	DWDR
Day / Night	Day & Night · Smart IR
Noise Reduction	3D DNR
White Balance	Auto / Manual
Shutter	1/5 – 1/20,000 s
Defog	Supported

02 Lens

Lens Type	Motorized (Ø14)
Focal Length	2.8 – 12 mm motorized zoom
Aperture	F1.8 – F3.3
Field of View	H 107°–34° · V 55°–19° · D 134°–38°
Min. Object Distance	1.2 m

03 Illumination

IR LEDs	Array IR
IR Range	Up to 45 m
Default Illumination	Smart IR

09 Environmental

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

04 Video

Compression	H.265 / H.264
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	1 in / 1 out (RCA)
Alarm I/O	1 in / 1 out
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 · Queue Length · License Plate · 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 / PoE (IEEE 802.3af)
Power Consumption	IR off 3–4 W · IR on 7–9 W

08 Mechanical

Dimensions	242 × 87.4 × 83.9 mm
Weight	811 g
Body Material	Metal
Finish	RAL 9003 — Signal White
Ingress Protection	IP67

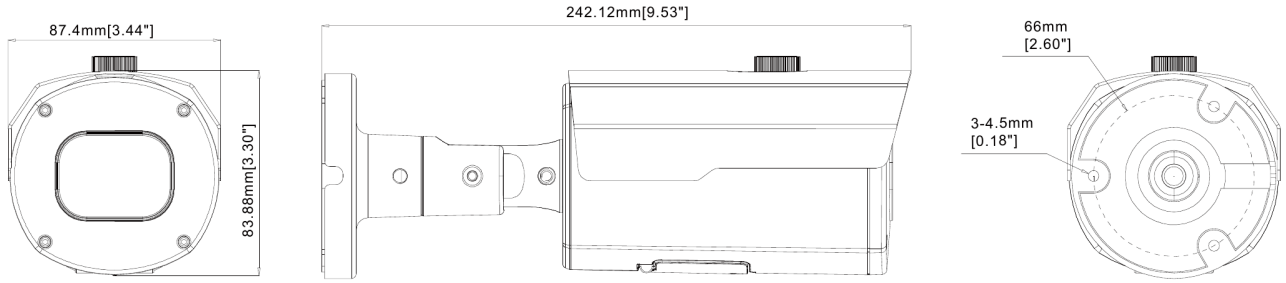
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— SECTION 02

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
- Hex key — lens adjustment
- Quick-start guide
- Warranty card

Ordering Information

SKU / MODEL CODE
CS-AB5M2.812

Arrow · 5 MP AI Bullet, 2.8–12 mm motorized zoom, PoE, IP67

REGULATORY & CERTIFICATIONS

CE · FCC · ROHS · ONVIF

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