CITY SCAN
TECH



Nova Series

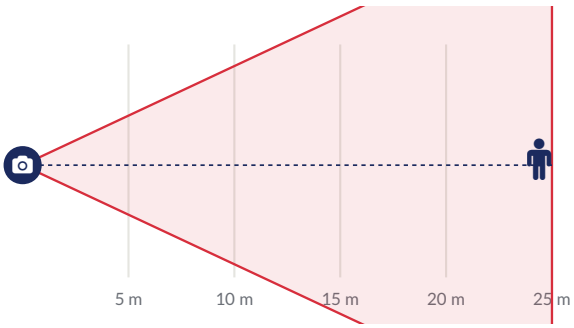
CS-NB4M2.8

4 MP Smart Bullet Network Camera

Compact smart bullet camera with dual-mode illumination, SMD human & vehicle detection, built-in microphone and IP66 weather protection.

COVERAGE

2.8 MM · 96° HFOV · 25 M IR



SMART HIGHLIGHTS

- Human & vehicle (SMD)
- Line crossing
- Intrusion detection
- Region entrance & exit

4MP 4 MP Resolution	Smart Analytics	25 m Night Vision	Dual-Mode Light
Human & Vehicle	Built-in Microphone	PoE Powered	IP66 Weatherproof

KEY FEATURES

- 1/3” progressive CMOS sensor
- 2560 × 1440 max resolution
- 2.8 mm fixed lens, F2.0
- DWDR and 3D DNR image enhancement
- Dual main / sub video streams
- Smart: SMD human & vehicle, line crossing, intrusion

IDEAL FOR

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

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— SECTION 01

Technical Specifications

REFERENCE
CS-NB4M2.8
4 MP · Smart

01 Imaging

Image Sensor	1/3" Progressive CMOS
Effective Pixels	4 MP · 2560 (H) × 1440 (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	F2.0
Field of View	H 96° · V 52° · D 113°
Min. Object Distance	1.8 m

03 Illumination

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

09 Environmental

Operating Conditions	−35 °C to +55 °C · RH < 90% non-condensing

04 Video

Compression	H.265 / H.264
Main Stream	1920 × 1080 @ 25 fps
Sub Stream	704 × 480 (D1) @ 25 fps
Bitrate	512 Kbps – 4 Mbps
Bitrate Control	CBR / VBR
Motion Detection	Off / On (8 levels)

05 Audio & Smart

Audio	Built-in microphone
Edge Storage	Not supported
Smart Analytics	SMD (Pedestrian & Vehicle) · Line Crossing · Intrusion · Region Entrance · Region Exiting

06 Network

Ethernet	RJ45 (10 / 100 BASE-T)
Protocols	TCP/IP · HTTP · HTTPS · DHCP · DNS · DDNS · RTP · RTSP · SMTP · NTP
Compatibility	ONVIF
IP Version	IPv4
Security	Complex password · Auth. user / password
Web Viewer	Internet Explorer 10 / 11

07 Electrical

Power Supply	PoE — IEEE 802.3af
Power Consumption	PoE 48 V — max 3.05 W

08 Mechanical

Dimensions	Ø 71.1 × 131.6 mm
Body Material	Metal
Finish	RAL 9003 — Signal White
Ingress Protection	IP66

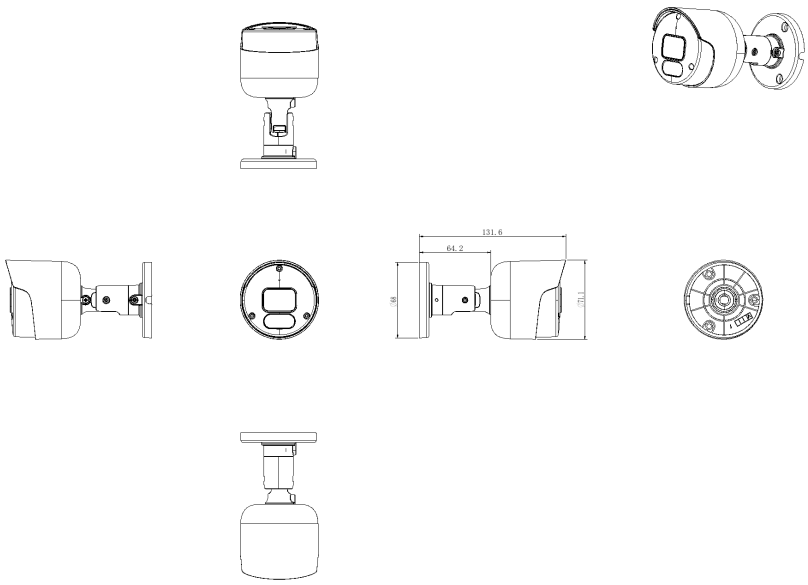
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— SECTION 02

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-NB4M2.8

Nova · 4 MP Smart Bullet, 2.8 mm fixed lens, PoE, IP66

REGULATORY & CERTIFICATIONS

CE · FCC · ROHS · ONVIF

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