



# HDVIEW Camera

5MP Smart Dual Illumination Turret Network Camera



## Key Features

- 1/3" progressive scan CMOS
- Max. 5MP (2560 × 1920) @25fps resolution
- 2.8 mm fixed lens (4 mm optional)
- Supports face, human, and vehicle detection.
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, and people counting.
- DWDR, 3D DNR, ROI, HLC, BLC, Defog
- Built-in IR and warm LEDs, illumination distance up to 30m
- Built-in microphone and speaker
- Built-in microSD card slot (up to 1 TB)
- IP66 -rated protection

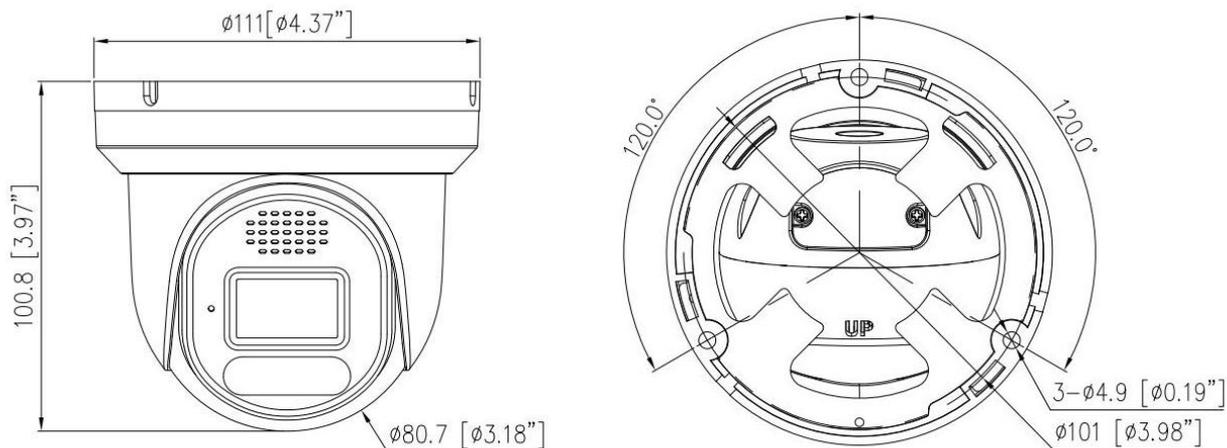
## Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	5MP, 2560(H) × 1920(V)
Shutter Speed	1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with illuminator on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 85°, Rotation: 0° to 360°
Lens	
Lens Type	Fixed lens, fixed focal
Iris	Fixed Iris
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 96.3°, V: 52.1°
DORI Distance	
Detect	82 m (269.0 ft)
Observe	32.8 m (107.6 ft)
Recognize	16.4 m (53.8 ft)
Identify	7.2 m (23.6 ft)
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.	
Illuminator	
Type	IR, Warm light
Distance	IR distance up to 30 m (98.4 ft) Warm light distance up to 20 m (65.6 ft)
Control	IR mode, White mode, Intelligent mode, None
IR wavelength	850 nm
Intelligent Analytics	
AI Multi-Target	Supports face, human, and vehicle detection.
Intelligent Analysis	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, and illegal parking. - Supports accurate target classification (human/vehicle)
People Counting	Supported

Video and Audio	
Number of Streams	3 Streams
Resolution	Stream1: 2560×1920, 2560×1440, 2304×1296, 1920×1080, 1280×720 Stream2: D1, VGA, CIF Stream3: VGA, CIF, QVGA
Frame Rate	Up to 25fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encoding	Supported
Audio Compression	G.711 A-law, G.711 $\mu$ -law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	DWDR
Privacy Masking	4 areas
Event	
Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, SMTP upload, Audible alarm output, White light alarm output
Network	
Protocols	IPv4/IPv6, RTSP/ RTCP/RTP, TCP/UDP, HTTP/HTTPS, DHCP, DNS, DDNS, PPPoE, UPnP, ICMP, IGMP, FTP, NTP, SMTP, 802.1x, SNMP
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	4 channels
User/Host Level	Up to 32 users; 3 levels: Administrator, Operator, and Media User
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Security	
OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest authentication, Prevent brute-force attack
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256), Secure element
Supply Chain Security	SBOM
Interface	
Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Built-in Speaker	Supported
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported
General	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%)/PoE (802.3af)
Power Consumption	Typical: 1.5 W (12 VDC) / approx. 1.9 W (PoE) Max (Light on + Speaker): 8 W (12 VDC) / approx. 10 W (PoE)
Operating Temperature	-25°C to 55°C (-13°F to 131°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy body, Decoration ring: plastic
Dimensions	φ111 × 100.8 mm (φ4.37 × 3.97 inch)
Net Weight	Approx. 423 g (0.933 lb)

## Dimensions (mm)



## Accessories

Optional:



SN-CBK646M  
Junction Box



SN-CBK202A  
Pendant Cap



SN-CBK402  
Pendant Mount



SN-CBK501  
Wall Mount



SN-CBK502  
Wall Mount



SN-CBK101  
Pole Mount



SN-CBK102  
Corner Mount