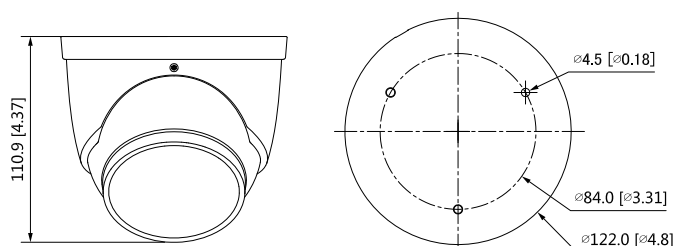


# 5MP Fixed-focal Eyeball Network Camera



- 5MP 1/2.7" CMOS image sensor, low illuminance, high definition image
- Outputs max. 5MP (2592 × 1944)@20 fps and 2688 × 1520 (2688 × 1520)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in efficient warm light and IR LED, and the Max. IR distance is 50 m
- ROI, SMART H.264 +/H.265+, AI H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Sound and light alarm linkage. When the alarm is triggered, the sound and light will be linked
- Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light during the configured period
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker, support two-way talk.
- 12V DC/PoE power supply, easy for installation
- ePoE, IP67 protection
- SMD 3.0

## Dimensions (mm[inch])



## Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

## Technical Specification

### Camera

Image Sensor	1/2.7" CMOS
Max. Resolution	2592 (H) × 1944 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.005 Lux@F1.6 (Color, 30IRE) 0.0005 Lux@F1.6 (B/W, 30IRE) 0 Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	50 m (164.0 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR light); 2 (warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

### Lens

Lens Type		Fixed-focal			
Lens Mount		M12			
Focal Length		2.8 mm			
Max. Aperture		2.8 mm: F1.6			
Field of View		2.8 mm: Horizontal 98° × Vertical 71° × Diagonal 129°			
Iris Control		Fixed			
Close Focus Distance		2.8 mm: 1.1 m (3.6 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	63.6 m (208.7 ft)	25.4 m (83.3 ft)	12.7 m (41.7 ft)	6.4 m (21.0 ft)

### Smart Event

IVS	Abandoned object; missing object
Heat Map	Yes

## Professional, intelligent

IVS (Perimeter Protection)	Intrusion; tripwire; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
Face Detection	Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting.
People Counting	Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports Support the counting of number in area, and 4 rules configuration. Count number of people and stay time, and link alarm Support queue management, and 4 rules configuration. Count number of people and stay time, and link alarm
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos

## Video

Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: (2592 × 1944@1-20 fps) (2688 × 1520@1-25/30 fps) (1920 × 1080@1-50/60 fps) Sub stream: (704 × 576@1-50 fps/704 × 480@1-60 fps) Third stream: (1920 × 1080@1-25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Stream Capability	3 streams
Resolution	5M (2592 × 1944); 4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 12 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Defog	Yes

Image Rotation	0°/90°/180°/270°
Mirror	Yes
Privacy Masking	8 areas

## Audio

Built-in MIC	Yes
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723

## Alarm

Alarm Event	No SD card; SD card full; SD card error; service life warning; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; defocus detection; external alarm; face detection; people counting in area; stay alarm; people counting; people No. exception detection; safety exception; light alarm; sound alarm (21 built-in sounds and custom voices importing)
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## Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE8; IE9; IE11 Chrome Firefox
Management Software	Smart PSS; DSS; Elite Viewer Pro, DMSS
Mobile Client	IOS; Android

## Certification

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
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## Port

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5mA 3V–5V DC
Alarm Output	1channel out: 300mA 12V DC

## Power

Power Supply	DC 12V (±30%)/PoE (802.3af)/ePoE
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Power Consumption	Basic power consumption: 1.9W (12V DC); 2.4W (PoE) Max. power consumption (WDR + face recognition + light and sound alarm + IR LED intensity): 8.3W (12V DC); 8.7W (PoE)
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Environment

Operating Temperature	−40°C to +60°C (−40°F to +140°F)
Operating Humidity	≤ 95%
Storage Temperature	−40°C to +60°C (−40°F to +140°F)
Protection	IP67

Structure

Casing	Metal
Product Dimensions	Φ122 mm × 110.9 mm (Φ4.8" × 4.4" )
Net Weight	756 g (1.7 lb)
Gross Weight	940 g (2.1 lb)