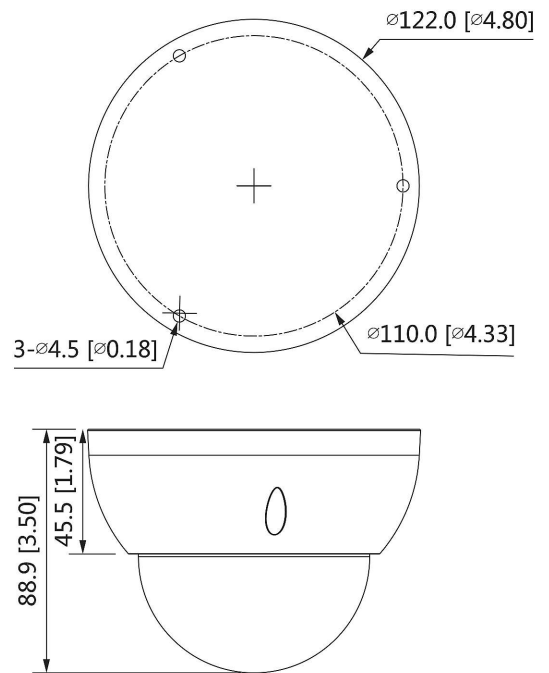


# EYEMAX 8MP Starlight Network Dome Camera, Motorized VF Lens



H.264 / H.265 CODEC • 131.2ft (40m) IR Range • 2.7 ~ 13.5mm Motorized Lens • 120dB WDR • 12VDC or PoE(802.3af) • IP67 • IK10 • UL Listed

## Mount Accessories

Wall Mount Bracket	<a href="#">CWB E203W</a>
Junction Box	<a href="#">CJB E137</a>

## Overview

With upgraded H.265 encoding enhances the network camera's efficient video capacity, conserving bandwidth and storage. Featuring cutting-edge starlight technology, it produces superior color images in low illumination. With support for SD card storage, plus dust, water, and vandal resistance, it meets IP67 and IK10 standards

## **Smart H.265+ & Smart H.264+**

With advanced scene-adaptive rate control algorithm enhances smart encoding technology, achieving superior encoding efficiency compared to H.265 and H.264. This results in high-quality video and reduced storage and transmission costs.

## **WDR**

With advanced WDR technology ensures clarity in strong brightness contrast. It captures clear video in high brightness environments and backlight shadow conditions.

## **Starlight**

Utilizing advanced image and optical processing, Starlight technology offers vivid video in low-light conditions, suitable for various low-light environments.

## **IVS**

Using advanced video algorithms, IVS technology offers intelligent functions like tripwire and intrusion detection.

## **Cyber Security**

Our network cameras utilize various security technologies, such as authentication, access control, trusted protection, encrypted transmission, and storage. These enhance defense against cyber threats and prevent device compromise by malicious programs.

## **IP67**

The camera undergoes rigorous dust and soak tests, featuring dust-proof functionality. Its enclosure remains operational even after being submerged in 1m deep water for 30 minutes.

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## IK10

The enclosure withstands more than 5 impacts from a 5kg hammer dropped at 40cm (20J impact energy). The camera accommodates  $\pm 30\%$  input voltage tolerance, making it suitable for outdoor environments with variable voltage.

## FEATURES

- 8MP, 1/2.7" CMOS image sensor, low illuminance, high definition image Outputs max. 8MP (3840 × 2160)@15 fps, and supports 2688 × 1520 (2688 × 1520)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 40 m
- ROI, SMART 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
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, local alarm, voltage detection, audio detection
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- 12 V DC/PoE power supply
- IP67, IK10 protection

## SPECIFICATIONS

Camera	
Image Sensor	1/2.7" CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.008 Lux@F1.5
S/N Ratio	>56 dB
Illumination Distance	40 m (131.2 ft)

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Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°-355° Tilt: 0°-67° Rotation: 0°-355°
<b>Lens</b>	
Lens Type	Motorized vari-focal
Mount Type	φ14
Focal Length	2.7 ~ 13.5 mm
Max. Aperture	F1.5
Field of View	Pan: 113°-31° Tilt: 58°-17° Diagonal: 138°-36°
Iris Type	Fixed
Close Focus Distance	0.8m-0.8m (2.62 ft-2.62 ft)
DORI Distance (Wide)	Detect: 85.3 m (279.9 ft) Observe: 34.1 m (111.9 ft) Recognize: 17 m (55.8 ft) Identify: 8.5 m (27.9 ft)
DORI Distance (Tele)	Detect: 280 m (918.6 ft) Observe: 112 m (367.5 ft) Recognize: 56 m (183.7 ft) Identify: 28 m (91.9 ft)
<b>Smart Event</b>	
IVS	Tripwire; intrusion
<b>Video</b>	
Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
Video Frame Rate (Main stream)	3840 × 2160 (1 fps-15 fps) 2688 × 1520 (1 fps-25/30 fps)
Video Frame Rate (Sub stream)	704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)
Stream Capability	2 streams

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Resolution	3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 × 2048); 3072 × 1728 (3072 × 1728); 2592 × 1944 (2592 × 1944); 2688 × 1520 (2688 × 1520); 3M (2048 × 1536); 2304 × 1296 (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
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(Rol)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
<b>Audio</b>	
Audio Compression	G.711a; G.711Mu; G.726
<b>Alarm</b>	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception; local alarm
<b>Network</b>	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes

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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
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20
Storage	FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Browser	IE / Chrome / Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
<b>Certification</b>	
Certifications	CE-LVD: EN62368 ~ 1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950 ~ 1 CAN/CSA C22.2 No.60950 ~ 1-07
<b>Port</b>	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel In: 5mA 5V DC
Alarm Output	1 channel Out: 300mA 12V DC
<b>Power</b>	
Power Supply	12VDC / PoE (802.3af)
Power Consumption	<7.4 W
<b>Environment</b>	
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than ≤ 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67; IK10
<b>Structure</b>	
Casing	Metal
Dimensions	Φ122 mm × 88.9 mm (Φ4.80" × 3.50")

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Net Weight	0.47 kg (1.1 lb)
Gross Weight	0.63 kg (1.4 lb)