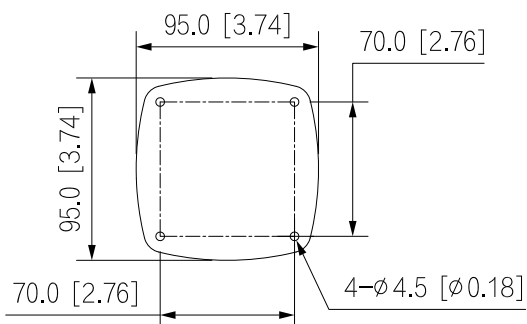
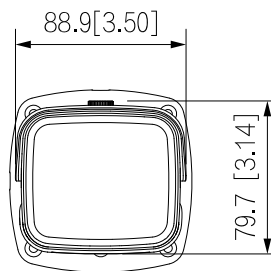
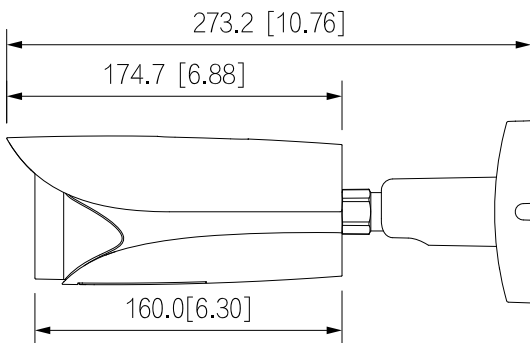


# 8 MP IR Vari-focal Bullet Network Camera



- 8-MP 1/1.8" CMOS image sensor, low luminance, and high definition image
- Outputs max. 8 MP (3840× 2160) @30 fps
- Max. IR distance: 120 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
- Alarm: 2 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card
- 12V DC/PoE power supply
- ePoE, IP67, IK10 protection
- SMD 3.0

## Dimensions (mm[inch])



Technical Specification	
Camera	
Image Sensor	1/1.8”CMOS
Max. Resolution	3840 (H) × 2160 (V)
ROM	128 MB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.004 lux@F1.4 (Color, 30 IRE) 0.0004 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	120 m (393.7 ft)
Illuminator On/Off Control	Auto; Manual; Zoomprio
Illuminator Number	4 (IR)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens					
Lens Type		Motorized vari-focal			
Mount Type		Module			
Focal Length		8 mm–32 mm			
Max. Aperture		F1.4 (Constant)			
Field of View		Horizontal: 42°–14.9° Vertical: 23.3°–8.6° Diagonal: 48.5°–16.9°			
Iris Control		Auto			
Close Focus Distance		W: 3.0 m (9.84 ft) T: 5.5 m (18.04 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	213.6 m (700.8 ft)	85.4 m (280.2 ft)	42.7 m (140.1 ft)	21.4 m (70.2 ft)
	T	572.8 m (1879.3 ft)	229.1 m (751.6 ft)	114.6 m (376.0 ft)	70.2 m (188.0 ft)

Smart Event	
IVS	Abandoned object; missing object
Heat Map	Yes

Professional, intelligent	
IVS (Perimeter Protection)	Tripwire; intrusion; 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 optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimized snapshot, quality priority 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 or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.
Intelligent 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+/H.264+
Video Frame Rate	Main stream: 3840× 2160 (1 fps–25/30 fps) Sub stream: D1 (1 fps–25/30 fps) Third stream: 1080p (1 fps–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	3840 × 2160; 3072 × 2048; 3072 × 1728; 2592 × 1944; 2688 × 1520; 2048 × 1536; 2304 × 1296; 1080p (1920 × 1080); 1.3 MB (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: 3 kbps-20480 kbps H.265: 3 kbps-20480 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)
Image Stabilization	Electronic Image Stabilization (EIS)
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 4 M resolution and lower)
Mirror	Yes
Privacy Masking	8 areas

Audio	
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; defocus detection; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; input abnormal detection; intensity change detection; people counting; face detection; people counting in area; stay alarm; people No. exception detection; queue management

## Network

Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; configuration encryption; Digest; WSSE; account lockout; security logs; generation and importing of X.509 certification; HTTPS; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; SFTP; Micro SD card (Support max. 256 G); NAS
Browser	IE: IE8 and later Chrome Firefox
Management Software	Smart PSS; DSS; 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: UL60950-1 CAN/CSA C22.2 No.60950-1-07
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## Port

Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: 5 mA 3V–5 VDC
Alarm Output	1 channels out: 300 mA 12 VDC
Alarm Output	2 channels out: 1,000 mA 30 VDC/500 mA 50 VDC

## Power

Power Supply	12 VDC (±30%)/PoE (802.3af)/ePoE
Power Consumption	Basic power consumption: 6.4 W (12 VDC); 6.9W (PoE) Max. power consumption (H.265 + max. stream + intelligent function + IR LED + focus): 7.7 W (12 VDC); 7.9 W (PoE)

## Environment

Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)/Less than 95% RH
Storage Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Protection	IP67, IK10

## Structure

Casing	Metal, plastic
Product Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74")
Net Weight	1.11 kg (2.45 lb)
Gross Weight	1.51 kg (3.33 lb)

## Accessories

### Optional:



LEW152-E  
Pole mount  
Bracket



JBEW 121  
Junction Box



PW-T1B1D1  
12 VDC1A Power  
Adapter



A-EE-1000/P  
Single-port Long Reach  
Ethernet over Coax  
Extender

Ceiling Mount	Junction Mount	Pole Mount(Vertical)