

ERBU

E-T828-AFD^{EVO} 4

8 MP Smart Dual Light Active Deterrence Fixed-focal Eyeball Network Camera



Accessories

PFA137



PFB205W



PFA152-E



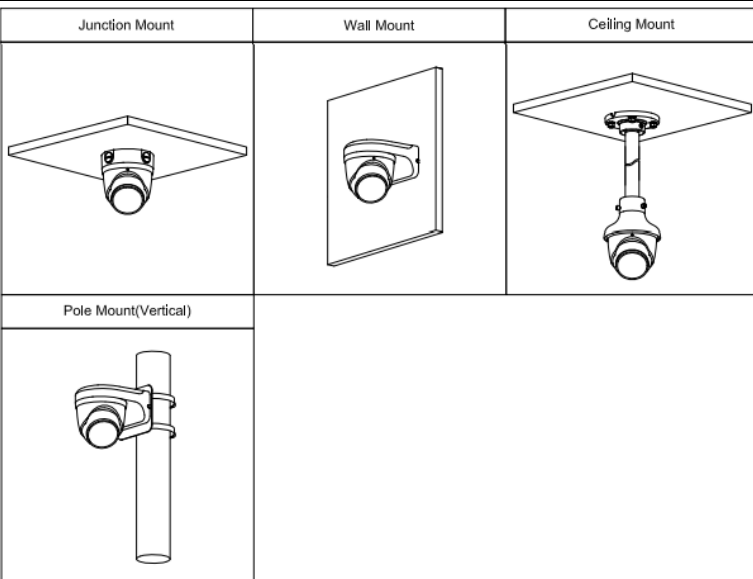
PFA109



PFB220 C



Installation Method

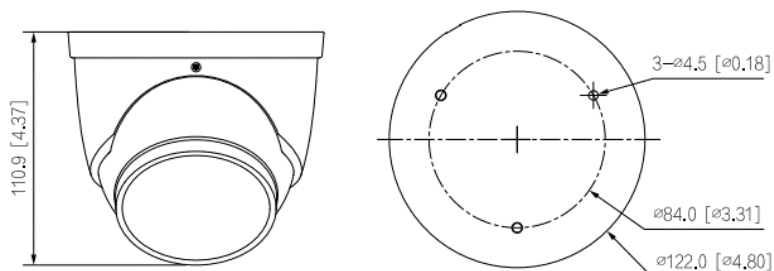


Technical Specification

Camera

| | |
|----------------------------|---|
| Image Sensor | 1/2.8" CMOS |
| Max. Resolution | 3840 (H) × 2160 (V) |
| ROM | 128 MB |
| RAM | 512 MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s |
| Min. Illumination | 0.004 lux@F1.0 (Color, 30 IRE) 0.0004 lux@F1.0 (B/W, 30 IRE) 0 lux (illuminator on) |
| S/N Ratio | >56 dB |
| Illumination Distance | 30 m (IR) 30 m (warm light) |
| Illuminator On/Off Control | Auto; Manual |
| Illuminator Number | 1 (IR LED) 1 (warm light) |
| Pan/Tilt/Rotation Range | Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360° |

Dimensions mm (inch)



Technical Specification

| | |
|--------------------------|---|
| Region of Interest (RoI) | Yes (4 areas) |
| Smart Illumination | Yes |
| Defog | Yes |
| Image Rotation | 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower) |
| Mirror | Yes |
| Privacy Masking | 8 areas |

Audio

| | |
|-------------------|------------------------------------|
| Built-in MIC | Yes, built-in dual Mic |
| Built-in speaker | Yes, built-in speaker |
| 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; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; SMD; security exception |
|-------------|--|

Network

| | |
|---------------------|---|
| Network Port | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| 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; P2P |
| Interoperability | ONVIF (Profile S; Profile G; Profile T); CGI |
| User/Host | 20 (Total bandwidth: 72 M) |
| Storage | FTP; SFTP; Micro SD card (Support max. 256 G); NAS |
| Browser | IE: IE8/9/11; Chrome; Firefox |
| Management Software | Smart PSS; DSS; DMSS |
| Mobile Client | iOS; Android |
| 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 |

Certification

| | |
|----------------|---|
| Certifications | CE-LVD: EN 62368-1; 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 |
|----------------|---|

Lens

| | | | | | |
|----------------------|--------------------------------|--------|---------|-----------|----------|
| Lens Type | Fixed-focal | | | | |
| Lens Mount | M12 | | | | |
| Focal Length | 2,8 mm | | | | |
| Field of View | H: 106°; V: 55°; D: 125° | | | | |
| Iris Control | Fixed | | | | |
| Close Focus Distance | 2.0 m | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | | 91.0 m | 36.4 m | 18.2 m | 9.1 m |

Intelligence

| | |
|----------------------------|--|
| IVS (Perimeter Protection) | Tripwire, intrusion (support the classification and accurate detection of vehicle and human) |
| SMD 4.0 | Less false alarm, longer detection distance |
| Smart Search | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos. |
| Quick Pick | With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events |
| AI SSA | Adopt deep learning algorithms to adjust the parameters of the image to suit the conditions. |

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+ |
| AI Coding | AI H.265; AI H.264 |
| Video Frame Rate | Main stream: 3840 × 2160@(1 fps–30 fps) Sub stream: 704 × 576@(1 fps–25 fps)/704 × 480@(1 fps–30 fps) Third stream: 1920 × 1080@(1 fps–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 | 8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728/2592 × 1944); 4M (2688 × 1520/2560 × 1440); 3M (2048 × 1536/2304 × 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: 32kbps–8192 kbps H.265: 12kbps–8192 kbps |
| Day/Night | Auto (ICR)/Color/B/W |
| BLC | Yes |
| HLC | Yes |
| WDR | 120 dB |
| Scene Self-adaptation (SSA) | 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) |

Technical Specification**Port**

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

Power

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|-------------------|---|
| Power Supply | 12 VDC/PoE (802.3af) |
| Power Consumption | Basic: 5.2 W (12 VDC); 5.5 W (PoE) Max. (pulling stream+warning light+speaker+warm light on): 9.2W (DC12 V) 10.2 W (POE) |

Environment

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|-----------------------|-----------------------------------|
| Operating Temperature | –40 °C to +60 °C Less than 95% RH |
| Storage Conditions | –40 °C to +60 °C |
| Protection | IP67 |

Structure

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|--------------------|----------------------|
| Casing Material | Metal |
| Product Dimensions | 110.9 mm × Φ122.0 mm |
| Net Weight | 0,745 kg |
| Gross Weight | 0,915 kg |