

ERBU

E-T428-AFS^{PRO} 7

4MP Full Color Dual Light Turret Network Camera



Accessories

PFA13G



PFB2203W



PFA109



PFB220C



PFA152-E



PFA150



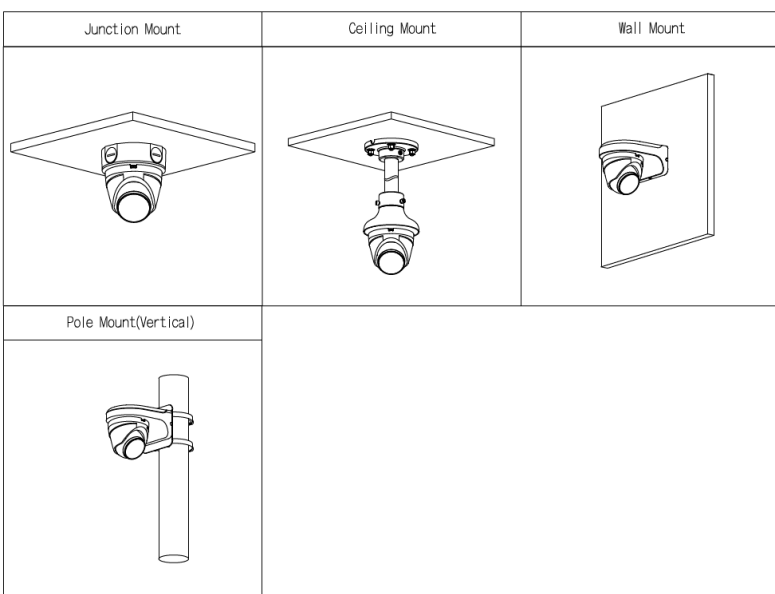
PFB305W



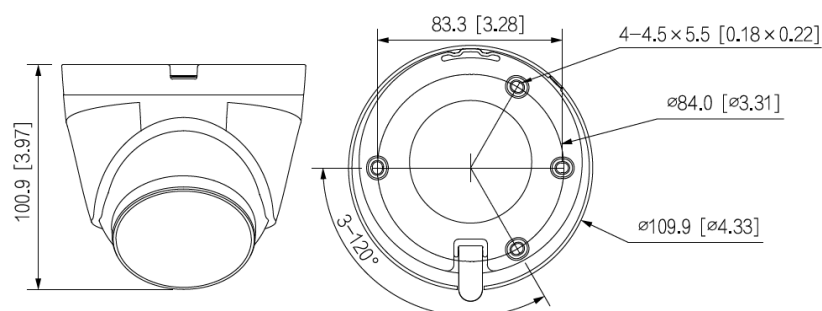
PFA151



Installation Method



Dimensions mm (inch)



Technical Specification

Camera

Image Sensor	1/3" CMOS
Max. Resolution	2560 (H) × 1440 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.006 lux@F1.6 (Color,30 IRE) 0.0006 lux@F1.6 (B/W,30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	30 m (IR LED) 30 m (Warm Light)
Illuminator On/Off Control	Auto / Manual
Illuminator Number	2 (IR LED); 2 (Warm light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Technical Specification

Lens

Lens Type	Fixed-focal			
Lens Mount	M12			
Focal Length	2,8 mm			
Max. Aperture	F1.6			
Field of View	H: 95°; V: 53°; D: 110°			
Iris Control	Fixed			
Close Focus Distance	1,0 m			
DORI Distance	Detect	Observe	Recognize	Identify
	61,6 m	24,6 m	12,3 m	6,2 m

Intelligence

SMD	SMD Plus
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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: 2560 × 1440@(1–25/30 fps) Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 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	2 streams
Resolution	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: 9 kbps–4096 kbps H.265: 9 kbps–4096 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 (RoI)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/180°
Mirror	Yes
Privacy Masking	4 areas

Audio

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

Alarm

Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; SMD; security exception
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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; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; NFS; P2P; Auto Registration
Interoperability	ONVIF (Profile S; Profile T); CGI
User/Host	6 (Total bandwidth: 24 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	Smart PSS Lite; DSS; DMSS, Easy Viewer Pro / Plus
Mobile Client	iOS; Android
Cyber Security	Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification; syslog; HTTPS; Trusted boot; Trusted execution; Trusted upgrade; Session security; Security warning; SSL/TLS 1.2; AES 256

Certification

Certifications	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
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Power

Power Supply	12 VDC/PoE (802.3af)
Dual Power Backup	When the power adapter and PoE provide power at the same time, disconnect one of them. The device will continue to work, but will not restart.
Power Consumption	Basic: 1.5 W (12 VDC); 2.2 W (PoE); Max.: 4.0 W (12 VDC); 5.1 W (PoE) (H.265 + illuminator intensity)

Environment

Operating Temperature	–40 °C to +60 °C
Operating Humidity	≤95%
Storage Temperature	–40 °C to +60 °C
Storage Humidity	≤95%
Protection	IP67
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection

Technical Specification**Structure**

Casing Material	Dome: Metal + Plastic Cover: Plastic
Product Dimensions	100.9 mm × Φ109.9 mm
Net Weight	0.32 kg
Gross Weight	0.43 kg