

**ERBU**

# EPTZ450-Z25-A<sup>PLUS</sup>

4MP IP Network PTZ Camera with 25x optical zoom



## Accessories

**PFA120**



**PFA111**



**PFB300C**



**PFB301C**



**PFA151**



**PFB303S**



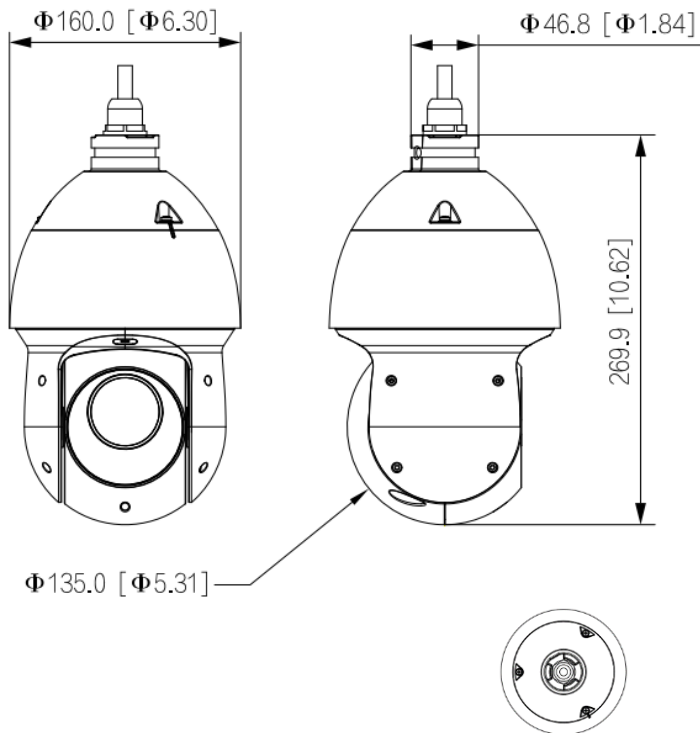
**PFB301-S**



**PFA150**



## Dimensions mm (inch)



## Technical Specification

### Camera

Image Sensor	1/2.8" CMOS
Pixel	4 MP
Max. Resolution	2560 (H) × 1440 (V)
ROM	4 GB
RAM	1 GB
Scanning System	Progressive
Electronic Shutter Speed	1/1 s–1/30,000 s
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux@F1.6 (IR light on)
S/N Ratio	>56 dB
Illumination Distance	100 m
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off
Illuminator Number	4 (IR)

### Lens

Focal Length	5 mm–125 mm				
Max. Aperture	F1.6–F3.6				
Field of View	H: 53.1°–3.4°; V: 30.4°–1.9°; D: 59.3°–3.9°				
Optical Zoom	25×				
Focus Control	Auto; semi-auto; manual				
Iris Control	Fixed				
Close Focus Distance	1 m–9 m				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	2161.4 m	864.6 m	432.3 m	216.1 m

### Intelligence

Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180°
Manual Control Speed	Pan: 0.1°–200°/s Tilt: 0.1°–120°/s
Preset Speed	Pan: 240°/s Tilt: 200°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern; Preset; Scan; Tour
PTZ Protocol	DH-SD Pelco-P/D(Auto recognition)

## Installation Method

<b>Wall Mount</b> PFB305W+PFA120 	<b>Ceiling Mount</b> PFA111+PFB300C 	<b>Ceiling Mount</b> PFA111+PFB301C 
<b>Pole Mount(Vertical)</b> PFB305W+PFA150 	<b>Corner Mount</b> PFB305W+PFA151 	<b>Pole Mount(Horizontal)</b> PFA111+PFB300C+PFA150 
<b>Plane Mount</b> PFB301S-E 	<b>Parapet Mount</b> PFA111+PFB303S 	

## Technical Specification

### Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification
Face Detection	Supports face detection, optimization, tracking, capturing pictures, uploading high-quality face snapshots, and face enhancement; Supports attributes extraction. 6 attributes and 8 expressions: Gender, age, glasses, expressions (angry, sad, hate, scary, surprise, calm, happy and confused), mask, mustache; Supports face cutout: Face, one-inch photo. Capturing strategies include real-time capturing, optimization, and quality first
SMD	Yes
Quick Pick	Yes

### Certification

Certifications	CE-EMC: EN 55032; EN 61000-3-3; EN 61000-3-2; EN 50130-4; EN 55035 CE-LVD: EN 62368-1 FCC: 47 CFR FCC Part15, Subpart B, NSI C63.4UL: UL62368-1
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### Video

Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG(Sub Stream); Smart H.264+
Smart Codec	Smart H.265+; Smart H.264+
Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p @(1-25/30 fps) Sub stream 1: D1/CIF@ (1-25/30 fps) Sub stream 2: 1080p/1.3M/720p @(1-25/30 fps)
Stream Capability	3 streams
Resolution	4M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 96-14,848 Kbps H265: 38-8,960 Kbps
Day/Night	Auto (ICR)/ Color /B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto; indoor; outdoor; ATW; manual; sodium lamp; natural light; street lamp
Gain Control	Manual; Auto
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16×
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
S/N Ratio	≥ 55 dB

### Audio

Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
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### Network

Network Port	RJ-45 (10/100 Base-T)
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
Interoperability	RTMP; CGI; SDK; ONVIF (Profile S&G&T); P2P
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	Micro SD card (512 GB); FTP/SFTP; NAS
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions iOS 10 and later versions
Management Software	DSS; DMSS
Mobile Client	iOS; Android

### Port

Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
Alarm Linkage	Capture; recording; send email; preset; tour; pattern; alarm digital input
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
Alarm I/O	2/1
Alarm I/O	1/1

### Power

Power Supply	12 VDC/3A±10% PoE (802.3at)
Power Consumption	Basic: 9 W Max.: 20 W (Illuminator+alarm+PTZ)

### Environment

Operating Temperature	-40 °C to +70 °C
Operating Humidity	≤95%
Storage Temperature	-40 °C to +70 °C
Storage Humidity	≤ 95%
Protection	IP66, TVS 6000 V lightning proof; surge protection; voltage transient protection

## Technical Specification

### Structure

Product Dimensions	270.4 mm × Φ160 mm
Net Weight	2.4 kg
Gross Weight	3.9 kg