

PB-2EX-DA 2.8MM

2MP Explosion-Proof IP Network Dome Camera/ Audio



II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68
Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68



Key Features

- 1/2.8" Progressive Scan CMOS
- 2 mm, 2.8 mm, 4 mm, 6 mm, optional
- 1920 × 1080 resolution
- 120dB WDR
- Stainless steel 316L
- IP68
- H.265, H.265+, H.264+, H.264
- Image enhancement: BLC, 3D DNR, HLC, defog, EIS
- Behavior analyses, exception detections and face detection

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PROBE

2MP Explosion-Proof IP Network Dome Camera/ Audio

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color 0.003lux @(F1.2,AGC ON); 0.005Lux @ (F1.6, AGC ON) B/W 0.001lux @(F1.2,AGC ON); 0.017Lux @ (F1.6, AGC ON);
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Digital Noise Reduction	3D DNR
Day & Night	Electronic
WDR	120dB
2-Axis Adjustment	2mm: pan: 0° to 340°, tilt: 0° to 60° 2.8 mm, 4 mm, 6 mm: 0° to 340°, tilt: 0° to 75°
Lens	
Focal length	2 mm, 2.8 mm, 4 mm, 6 mm, optional
Aperture	2 mm@F2.2, 2.8 mm@F1.6, 4 mm@F1.6, 6 mm@F1.6
FOV	2 mm: horizontal FOV 126.5°, vertical FOV 73.8°, diagonal FOV 144° 2.8 mm: horizontal FOV 108°, vertical FOV 59.3°, diagonal FOV 129° 4 mm: horizontal FOV 86°, vertical FOV 46°, diagonal FOV 102.3° 6 mm: horizontal FOV 52.8°, vertical FOV 29.7°, diagonal FOV 60.7°
Lens Mount	M12
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Main stream support
H.265 Type	Main Profile
H.265+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-192Kbps(MP2L2)
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exit detection, unattended baggage detection, object removal detection
Exception	Audio exception detection
Face Detection	Yes
Region of Interest	Support 4 fixed regions for each stream, and dynamic face tracking
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240, 320 × 240)
Image Enhancement	BLC, 3D DNR, HLC, defog, EIS

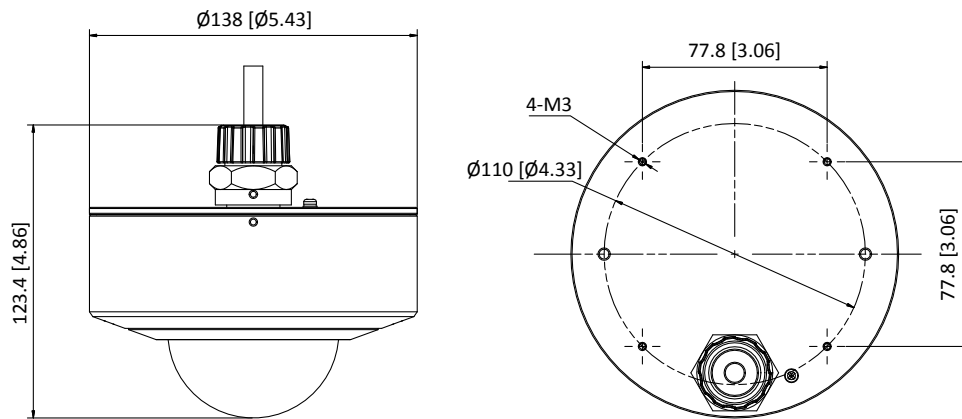
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Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In
Target Cropping	Yes
SVC	H.264 and H.265 support
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	Support microSD/SDHC/SDXC card (128 GB) local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE8+, Chrome 41.0-44, Firefox30.0-51, Safari8.0+
Interface	
Audio	1 audio input (line in), 1 audio output (line out), mono soundtrack
Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port, 1 RS-485 interface
Alarm	1 alarm input, 1 alarm output (supports max. 24 VDC, 1 A or 110 VAC, 500mA)
On-board storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Video Output	1Vp-p composite output (75 Ω/BNC)
BNC	CVBS analog output (4CIF resolution)
Reset Button	Support
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
General	
Operating Conditions	-40 °C to +60 °C (-40 °F to +140 °F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ±20%, PoE (802.3af, class 3) Terminal block for DC input
Power Consumption and Current	12 VDC, 0.8 A, max. 10 W PoE (802.3af, 36V to 57V), 0.3 A to 0.2 A, max. 12.5 W
Explosion-Proof	ATEX: II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 IECEX: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68
Ingress Protection	IP68
Material	Stainless steel 316L
Dimensions	Camera: Ø138 × 123.4 mm (Ø5.43" × 4.86") Package: 251 × 215 × 189 mm (9.88" × 8.46" × 7.44")
Weight	Camera: Approx. 2.5 kg (5.51 lb.) With package: approx. 3.46 kg (7.63 lb.)

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Dimensions



Unit: mm [inch]

Accessory



1696ZJ-X

Pendant mount-316L



1697ZJ-X

Wall mount-316L



2781ZJ-X/316L

Explosion-proof terminal
box (with power adapter)



2780ZJ-X/316L

Explosion-proof terminal
box (no power adapter)



1677ZJ-XS-1.0 (D)

Flexible conduit