

IPC-HDBW1435E-W-0280B

4 MP IR Mini-Dome Wi-Fi Network Camera



System Overview

The IR Megapixel Fixed MiniDome camera delivers 4MP resolution with a choice of 2.8 mm wide angle lens options. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Easy4ip

Easy4ip cloud and app allows you monitor what's happening at home anytime and anywhere. Alarm notice is pushed to your app in real time, so you'll not miss anything important. And you can record your daily or motion videos on easy4ip cloud along with local storage.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas.

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

Environmental

With a temperature range of -10°C to +50°C (-22°F to +140°F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Features

- 1/3" 4 Megapixel progressive CMOS
- H.265 & H.264 dual-stream encoding
- 20 fps @ 4M (2688×1520) & 25/30fps @ 3M (2304×1296)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Wi-Fi support
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67, IK10

Protection

Supporting ±10% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 2KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688 (H) x 1520 (V)
RAM/ROM	512MB / 32MB
Scanning System	Progressive
Minimum Illumination	0.1 Lux / F2.0 (Color), 0 Lux / F2.0 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m (98ft)
IR On/Off Control	Auto / Manual
IR LEDs	24

Lens

Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8 mm
Max. Aperture	F2.0 / F2.0
Angle of View	106° (H), 56° (V), 127° (D)
Focus Control	Fixed
Close Focus Distance	N/A

PTZ

Pan / Tilt Range	Pan: 0° ~ 355°; Tilt: 0° ~ 55°; Rotation: 0° ~ 355°
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Audio

Compression	N/A
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Network

Ethernet	RJ-45 (10/100Base-T)
Wi-Fi	Wi-Fi(IEEE802.11b/g/n), 50m(open field)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	NAS (Network Attached Storage), Local PC for instant recording, 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, Easy4ip
Smart Phone	iPhone, iPad, Android Phone

Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Video

Compression	H.265 / H.264H / MJPEG (Sub Stream)
Streaming Capability	2 Streams
Resolution	4M (2688x1520) / 3M (2304x1296) / 1080P (1920x1080) / 720P (1280x720) / VGA (640x480) / D1 (704x576/704x480) / CIF (352x288/352x240)
Frame Rate	Main Stream: 4M (1 ~ 20fps) / 3M (1 ~ 25/30fps) Sub Stream: D1 (1 ~ 25/30fps)
Bit Rate Control	CBR / VBR
Bit Rate	H.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image	Support
Smart IR	Support
Digital Zoom	16x
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Certifications

Certifications	CE (EN 60950:2000) UL: UL60950-1 FCC: FCC Part 15 Subpart B
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Electrical

Power Supply	DC12V
Power Consumption	< 6.5W

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Operating Conditions	-10°C ~ +50°C (-14°F ~ +122°F) / Less than 95% RH
Storage Conditions	-10°C ~ +50°C (14°F ~ +122°F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Φ109.9 mm × 81 mm (4.33" x 3.19")
Net Weight	0.34 Kg (0.75lb)
Gross Weight	0.47 Kg (1.04lb)

Accessories (optional)



PFA136
Juntion Box

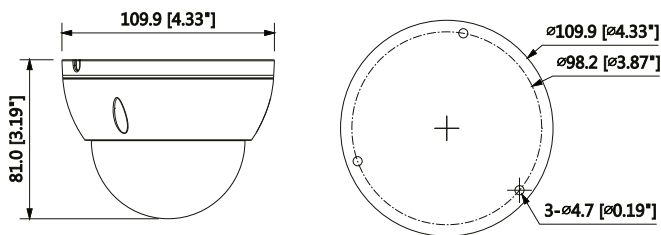


PFB203W
Wall Mount



PFA152
Pole Mount

Dimensions (mm/inch)



Junction Mount	Pole Mount
PFA136	PFB203W + PFA152
MountWall	
PFB203W	