

# DH-IPC-HDBW1120E

1.3MP IR Mini-Dome Network Camera



# System Overview

The IR Megapixel Fixed MiniDome camera delivers 1.3MP resolution with a choice of 2.8mm or 3.6mm 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

#### 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).

#### Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

- · 1/3" 1.3Megapixel progressive CMOS
- · H.264+ & H.264 dual-stream encoding
- · 25/30fps@1.3M(1280x960)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- $\cdot$  Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.8 mm fixed lens (3.6 mm optional)
- · Max IR LEDs Length 30m
- · IP67, IK10, PoE



#### Environmental

With a temperature range of -30 °C to +60 °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.

#### Protection

Supporting  $\pm 10\%$  input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV 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

#### Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.



# Lite Series | DH-IPC-HDBW1120E

## **Technical Specification**

Camera		
Image Sensor	1/3" 1.3Megapixel progresive CMOS	
Effective Pixels	1280(H)x960(V)	
RAM/ROM	256MB/16MB	
Scanning System	Progressive	
Minimum Illumination	0.5Lux/F2.5(Color), 0Lux/F2.5(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 (3.6 mm optional)	
Max. Aperture	F2.5/F2.5	
Angle of View	H:85°/57°, V:44°/31°	
Focus Control	Fixed	
Close Focus Distance	N/A	
PTZ		
Pan/Tilt Range	Pan:0° ~355° ;Tilt:0° ~65° ;Rotation:0° ~355°	
Video		
Compression	H.264+/H.264	
Streaming Capability	2 Streams	
Resolution	1.3M(1280×960)/720P(1280×720)/ D1(704×576/704×480)/CIF(352×288/352×240)	
Frame Rate	1.3M (1 ~ 25/30fps)s)	
	D1/CIF(1 ~ 25/30fps)	
Bit Rate Control	CBR/VBR	
Bit Rate	H264:24K ~ 8192Kbps	
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)	
Audio		
Compression	N/A	
Network		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHC P;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	
Web Viewer	IE, Chrome, Firefox, Safari	
Management Software	Smart PSS, DSS, Easy4ip	
Smart Phone	iPhone, iPad, Android Phone	
Certifications		
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Interface		
Video Interface	N/A	
Audio Interface	N/A	
RS485	N/A	
Alarm	N/A	
Electrical		
Power Supply	DC12V PoE (802.3af)(Class 0)	
Power Consumption	<3.7W	

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Environmental		
Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
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Ingress Protection	IP67	
Vandal Resistance	IK10	
Construction		
Casing	Metal	
Dimensions	Ф109.9mm × 81mm (4.33" x 3.19")	
Net Weight	0.34Kg (0.75lb)	
Gross Weight	0.47Kg (1.04lb)	

### Accessories

## **Optional:**



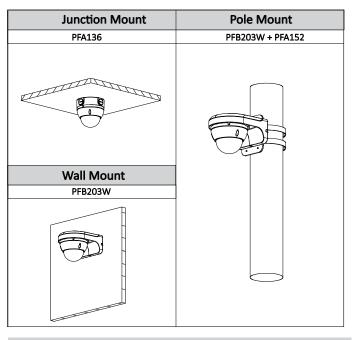


PFB203W Wall Mount

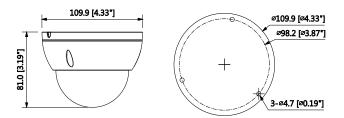


PFA136 Juntion Box

PFA152 Pole Mount



### Dimensions (mm/inch)



Ordering Information			
Туре	Part Number	Description	
1.3MP camera	DH-IPC-HDBW1120EP -0280B	1.3MP IR Mini-Dome Network Camera, 2.8mm,PAL	
	DH-IPC- HDBW1120EN -0280B	1.3MP IR Mini-Dome Network Camera, 2.8mm,NTSC	
	IPC-HDBW1120EP -0280B	1.3MP IR Mini-Dome Network Camera, 2.8mm,PAL	
	IPC-HDBW1120EN -0280B	1.3MP IR Mini-Dome Network Camera, 2.8mm,NTSC	
	DH-IPC-HDBW1120EP -0360B	1.3MP IR Mini-Dome Network Camera, 3.6mm,PAL	
	DH-IPC- HDBW1120EN -0360B	1.3MP IR Mini-Dome Network Camera, 3.6mm,NTSC	
	IPC-HDBW1120EP -0360B	1.3MP IR Mini-Dome Network Camera, 3.6mm,PAL	
	IPC-HDBW1120EN -0360B	1.3MP IR Mini-Dome Network Camera, 3.6mm,NTSC	
Accessories (optional)	PFA136	Junction box	
	PFB203W	Wall mount	
	PFA152	Pole mount	