

# DH-IPC-HDBW1320E-W

3MP IR Mini-Dome Wi-Fi Network Camera



**System Overview** 

The IR Megapixel Fixed MiniDome camera delivers 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**
- 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).

- · 1/3" 3Megapixel progressive CMOS
- · H.264 & MJPEG dual-stream encoding
- · 20fps@(2304x1296)&25/30fps@2M(1920x1080)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Wi-Fi support
- · 2.8 mm fixed lens (3.6 mm optional)
- · Max IR LEDs Length 30m
- · IP67, IK10











#### 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.

#### 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 protectection 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



<b>Technical Specification</b>			
Camera			
Image Sensor	1/3" 3Megapixel progresive CMOS		
Effective Pixels	2304(H)x1536(V)		
RAM/ROM	256MB/16MB		
Scanning System	Progressive		
Minimum Illumination	0.1Lux/F2.0(Color), 0Lux/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 (3.6 mm optional)		
Max. Aperture	F2.0/F2.0		
Angle of View	H:100°/77°, V:55°/42°		
Focus Control	Fixed		
Close Focus Distance	N/A		
PTZ			
Pan/Tilt Range	Pan:0° ~355° ;Tilt:0° ~55° ;Rotation:0° ~355°		
Video			
Compression	H.264/H.264B/H.264H/MJPEG		
Streaming Capability	2 Streams		
Resolution	3M(2304×1296)/1080P(1920×1080)/ 1.3M(1 280×960)/720P(1280×720)/720P(1280×720)/ VGA(640×480)/QVGA(320×240)		
Frama Pata	3M(1 ~ 20fps)/2M (1 ~ 25/30fps)		
Frame Rate	VGA(1 ~ 25/30fps)		
Bit Rate Control	CBR/VBR		
Bit Rate	H264:32K ~ 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)	
Audio		
Compression	N/A	
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	
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	
Power Consumption	<5.5W	

# Environmental

Operating Conditions	-10° C $^{\sim}$ +50° C (-14° F $^{\sim}$ +122° F) / Less than 95% RH
Strorage Conditions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
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)

Ordering Information			
Туре	Part Number	Description	
I I I I I I I I I I I I I I I I I I I	DH-IPC-HDBW1320EP -W-0280B	3MP IR Mini-Dome Wi-Fi Network Camera,2.8mm,PAL	
	DH-IPC- HDBW1320EN -W-0280B	3MP IR Mini-Dome Wi-Fi Network Camera,2.8mm,NTSC	
	IPC-HDBW1320EP -W-0280B	3MP IR Mini-Dome Wi-Fi Network Camera,2.8mm,PAL	
	IPC-HDBW1320EN -W-0280B	3MP IR Mini-Dome Wi-Fi Network Camera,2.8mm,NTSC	
	DH-IPC-HDBW1320EP -W-0360B	3MP IR Mini-Dome Wi-Fi Network Camera,3.6mm,PAL	
	DH-IPC- HDBW1320EN -W-0360B	3MP IR Mini-Dome Wi-Fi Network Camera,3.6mm,NTSC	
	IPC-HDBW1320EP -W-0360B	3MP IR Mini-Dome Wi-Fi Network Camera,3.6mm,PAL	
	IPC-HDBW1320EN -W-0360B	3MP IR Mini-Dome Wi-Fi Network Camera,3.6mm,NTSC	
Accessories (optional) PFB203W	PFA136	Junction box	
	PFB203W	Wall mount	
	PFA152	Pole mount	

# Accessories

# **Optional:**



PFA136 Juntion Box





PFB203W Wall Mount

PFA152 Pole Mount

Junction Mount	Pole Mount
PFA136	PFB203W + PFA152
Wall Mount	
PFB203W	

# Dimensions (mm/inch)





