

# DH-IPC-HDBW1439E1-A-IL

## 4MP Entry Smart Dual Light Fixed-focal Dome Network Camera



### Series Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

### Functions

#### Smart Dual Light

Dahua Smart Dual Light technology adopts smart algorithm to detect targets. Usually, the IR illuminator is on at night; when the target appears in the monitoring area, the white light is on, and the camera records the full-color video and information of key events. That is, the camera links snapshot and video with full-color image. When the target is out of the monitoring area, the white light is off and the IR illuminator is on, which reduces light pollution efficiently.

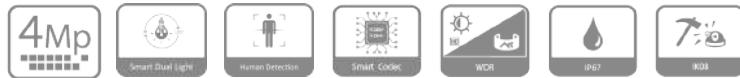
#### Human Detection

Dahua intelligent algorithms extract moving human targets from videos and filters out alarms that are triggered by non-human targets to increase the accuracy and effectiveness of alarms.

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

- 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2560 × 1440)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED and warm light, and the max. IR distance is 30 m, the max. warm light distance is 30 m.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict and illegal access.
- Built in Mic.
- 12 VDC/PoE power supply, easy for installation.
- IP67 and IK08 protection.
- Supports human detection.



#### WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

#### Protection (IP67, Wide Voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normally after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification										
Camera										
Image Sensor										
Max. Resolution										
ROM										
RAM										
Scanning System										
Electronic Shutter Speed										
Min. Illumination										
S/N Ratio										
Illumination Distance										
Illuminator On/Off Control										
Illuminator Number										
Angle Adjustment										
Lens										
Lens Type										
Lens Mount										
Focal Length										
Max. Aperture										
Field of View										
Iris Control										
Close Focus Distance										
DORI Distance	Lens		Detect	Observe	Recognize					
	2.8 mm		61.6 m ( 202.10 ft)	24.6 m ( 80.71 ft)	12.3 m ( 40.35 ft)					
	3.6 mm		80.0 m ( 262.47 ft)	32.0 m ( 104.99 ft)	16.0 m ( 52.49 ft)					
	*DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. For intelligent function distances, refer to installation and commissioning manual/project design tool.									
Intelligence										
Human Detection										
Smart Search										
Video										
Video Compression										
Smart Codec										
Video Frame Rate										
Streaming Capability										
Resolution										
Bit Rate Control										
Video Bit Rate										
Day/Night										
BLC										
HLC										
WDR										
White Balance										
Gain Control										
Noise Reduction										
Motion Detection										
Region of Interest (RoI)										
Smart Illumination										
Smart Dual Light										
Image Rotation										
Mirror										
Privacy Masking										
Audio										
Built-in MIC										
Audio Compression										
Alarm										
Alarm Event										
Network										
Network Port										
SDK and API										
Network Protocol										
Interoperability										
User/Host										
Storage										
Browser										

Management Software	Smart PSS Lite; DSS; DMSS
Mobile Client	iOS;Android
Security	Digest;WSSE;Account lockout;Security logs;Generation and importing of X.509 certification;HTTPS;Trusted boot;Trusted execution;Trusted upgrade
Certification	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
Power	
Power Supply	12 VDC ( $\pm 30\%$ ); PoE (802.3af)
Power Consumption	Basic: 2.3 W (12 VDC); 3.1 W (PoE); Max.: 6.8 W (12 VDC); 7.9 W (PoE) (H.265 + intelligence on + WDR+ illuminator intensity)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	$\leq 95\%$ (RH), non-condensing
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Storage Humidity	$\leq 95\%$ (RH), non-condensing
Protection	IP67; IK08
Structure	
Casing Material	Metal + Plastic
Product Dimensions	81.0 mm $\times$ Ø109.9 mm (3.19" $\times$ Ø4.33")
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.48 kg (1.06 lb)

## Accessories

Optional:



DH-PFA109  
Mount Adapter



DH-PFA136  
Junction Box



DH-PFA150  
Pole Mount Bracket



DH-PFA151  
Corner Mount Bracket



DH-PFA156  
Pole Mount Bracket



DH-PFB203W  
Wall Mount Bracket



DH-PFB220C  
Ceiling Mount Bracket



DH-PFB305W  
Wall Mount Bracket



DH-PFM320D-EN  
DC12V2A power adapter



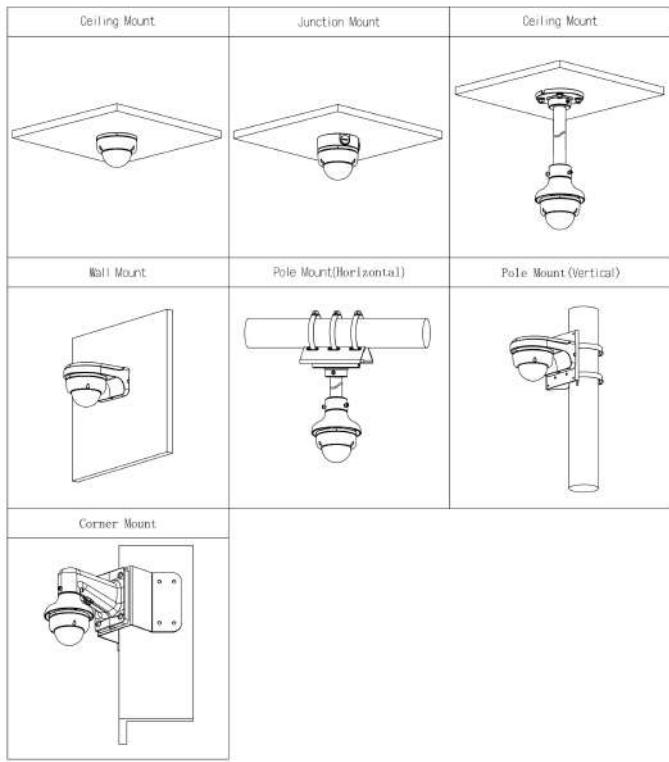
DH-PFM321-EN  
DC12V1A power adapter



PFM900-E  
Integrated Mount Tester

## Ordering Information

Type	Model	Description
IP CAMERA	DH-IPC-HDBW1439E1-A-IL	4MP Entry Smart Dual Light Fixed-focal Dome Network Camera
Accessories (Optional)	DH-PFB220C	Ceiling Mount Bracket
	DH-PFA109	Mount Adapter
	DH-PFB305W	Wall Mount Bracket
	DH-PFA151	Corner Mount Bracket
	DH-PFA150	Pole Mount Bracket
	DH-PFB203W	Wall Mount Bracket
	DH-PFA156	Pole Mount Bracket
	DH-PFA136	Junction Box
	DH-PFM321-EN	DC12V1A power adapter
	DH-PFM320D-EN	DC12V2A power adapter
PFM900-E		Integrated Mount Tester



### Dimensions (mm[inch])

