

DH-IPC-HDBW3441F-AS-M

4MP Lite AI IR Fixed focal Dome Network Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- · Outputs max. 4MP (2688 × 1520)@30 fps
- · H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- · Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power support
- IP67, IK10 protection
- · SMD













System Overview

With advanced deep learning algorithm, Dahua Lite AI series network camera supports some intelligent functions, such as perimeter protection and smart motion detection. It adopts starlight solution, which makes a better image effect in low illuminance.

Functions

Smart (H.265+ & H.264+)

Adopting advanced algorithm of auto stream control according to the environment, Dahua smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

Wide dynamic range (WDR)

Dahua adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back-light environment, bright region and dark region with strong light source, you can also get clear images.

Starlight

Dahua Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Intelligent Video Analysis (IVS)

With advanced video algorithm, Dahua camera supports intelligent detection, such as tripwire and intrusion and so on.

Smart Motion Detection (SMD)

With intelligent algorithm, Dahua Smart Motion Detection technology can effectively recognize the target types, flitting the motion detection alarm triggered by non-concerned target types. It can realize effective and accurate alarm.

Protection (IP67, IK10, wide voltage)

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

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 m (Impact energy is 20J).

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



Technical Specification						Bit Rate Control	CBR/VBR
Camera						Video Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Image Sensor		1/3" 4Megapixel progressive CMOS				Day/Night	Auto(ICR)/Color/B/W
Effective Pixels		2688 (H) ×1520 (V)				HLC	Yes
ROM		128 MB				BLC	Yes
RAM		512 MB				WDR	120 dB
Scanning System		Progressive				White Balance	Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s				Gain Control	custom Auto/Manual
Min. Illumination		0.005 Lux@F1.6				Noise Reduction	3D DNR
IR Distance		50 m (164.0 ft)				Motion Detection	OFF/ON (4 areas, rectangular)
IR On/Off Control		Auto/Manual				Region of Interest(RoI)	Yes (4 areas)
IR LEDs Number	IR LEDs Number					Smart IR	Yes
Pan/Tilt/Rotation Range		Horizontal: -30° to 30°; vertical: 0° to 80°; rotation: 0° to 360°				Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
Lens Lens Type		Fixed focal				Mirror	resolution.) Yes
Mount Type		M12				Privacy Masking	4 areas
Focal Length		2.8 mm; 3.6 mm; 6 mm				Audio	4 01000
Max. Aperture		F1.6				Built-in MIC	Yes
		2.8 mm: Horizontal:103°; vertical: 55°; diagonal: 122°				Audio Compression	G.711a; G.711Mu; G726; AAC
Field of View		3.6 mm: Horizontal:84°; vertical: 45°; diagonal: 100° 6 mm: Horizontal:52°; vertical: 28°; diagonal: 61°				Network	c., 110, c., 11110, c., 15, 7, 10
Iris Type		Fixed aperture				Network	RJ-45 (10/100 Base-T)
Close Focus Distance		2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.6 m (5.3 ft) 6 mm: 3.2 m (10.5 ft)				Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP; RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP; Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
	Lens	Detect	Observe	Recognize	Identify	Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
	2.8mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.8 ft)	5.6 m (18.4 ft)	Scene Self-adaptation	Yes
DORI Distance	3.6mm	80.0 m	32.0 m	16.0 m	8.0 m	User/Host	20 (Total bandwidth: 64 M)
	6mm	(262.5 ft) 120.0 m	(105.0 ft) 48.0 m	(52.5 ft) 24.0 m	(26.3 ft) 12.0 m	Edge Storage	FTP; SFTP;Micro SD Card (support max. 256 G); Dahua Cloud; NAS
Professional	Professional, Intelligent			(393.7 ft) (157.5 ft) (78.7 ft) (39.4ft)			IE: IE8, IE9, IE11 Chrome Firefox
Perimeter Prote	ction	Tripwire; intrusion (Recognition of human and vehicle)				Management Software	Smart PSS, DSS, DMSS
Intelligent Searc	h	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event				Mobile Phone	IOS; Android
Mida -		videos				Certification	
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG					CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Smart Codec		Yes				Certifications	
Video Frame Rate		Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps)				Power	
		third stream (1280 × 720@1–25/30 fps)				Power Supply	12V DC/PoE (802.3af)
Stream Capability		3 streams 4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 ×				Power Consumption	<5.7W
Resolution		1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352				Environment	

Operating Conditions

-40°C to +60°C (-40°F to +140°F)/ less than≤95%

Lite Al Series | DH-IPC-HDBW3441F-AS-M

Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67; IK10

Structure

Casing	Metal
Dimensions	55 mm × Φ108.9 mm (2.2" × Φ4.3")
Net Weight	380 g (0.8 lb)
Gross Weight	520 g (1.1 lb)

Ordering Information					
Туре	Part Number	Description			
4MP	DH-IPC-HDBW3441FP-AS-M	4MP Lite AI IR Fixed focal Dome Network Camera,PAL			
Camera	DH-IPC-HDBW3441FN-AS-M	4MP Lite AI IR Fixed focal Dome Network Camera,NTSC			
	PFA139	Junction Box			
	PFB204W	Wall Mount			
	PFA152-E	Pole Mount			
	PFB220C	Mount Adapter			
Accessories	PFA106	Celling Mount			
(optional)	PFM321D	DC12V1A Power Adapter			
	LR1002-1ET/1EC	Single-port Long Reach Ethernet Over Coax Extender			
	PFM900-E	Integrated Mount Tester			
	PFM114	TLC SD Card			





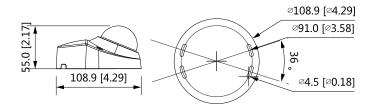
LR1002-1ET/1EC Single-port long reach ethernet over coax extender

PFM900-E Integrated Mount tester

PFM114 TLC SD card

Junction Mount	Wall Mount	Pole Mount	Celling Mount
PFA139	PFB204W	PFB204W+PFA152-E	PFB220C+PFA106

Dimensions (mm[inch])



Accessories

Optional:



