

DH-IPC-HDBW3541F-AS-M

5MP Lite AI IR Fixed focal Dome Network Camera



- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944)@20 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		1/2.7"5Megapixel progressive CMOS					Day/Night	Auto(ICR)/Color/B/W
Effective Pixels		2592 (H) ×1944 (V)					BLC	Yes
ROM		128 MB					HLC	Yes
RAM		512 MB					WDR	120 dB
Scanning System		Progressive					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Gain Control	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		8 (IR LEDs)				Smart IR	Yes
Pan/Tilt/Rotatio	n Range	Horizontal: -30° to 30°; vertical: 0° to 80°; rotation: 0° to 360°						0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
Lens							Image Rotation	resolution.)
Lens Type		Fixed focal					Mirror	Yes
Mount Type		M12					Privacy Masking	4 areas
Focal Length		2.8 mm; 3.6 mm; 6 mm					Audio	
Max. Aperture		F1.6					Built-in MIC	Yes
Field of View	Field of View		2.8 mm: Horizontal: 98°; vertical: 72°; diagonal: 130° 3.6 mm: Horizontal: 80°; vertical: 59°; diagonal: 106° 6 mm: Horizontal: 50°; vertical: 36°; diagonal: 64°				Audio Compression	G.711a; G.711Mu; G726; AAC
rield of view							Network	
Iris Type		Fixed apertu	re				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	22.4 m	11.2 m	5.6 m		Scene Self-adaptation	Yes
DORI Distance		(183.7 ft) 80.0 m	(73.5 ft) 32.0 m	(36.8 ft) 16.0 m	(18.4 ft) 8.0 m		User/Host	20 (Total bandwidth: 64 M)
	3.6mm	(262.5 ft)	(105.0 ft)	(52.5 ft)	(26.3 ft)		Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS
D ()	6mm	120.0 m (393.7 ft)	48.0 m (157.5 ft)	24.0 m (78.7 ft)	12.0 m (39.4ft)		Browser	IE: IE8, IE9, IE11 Chrome
Professional								Firefox
Perimeter Protection		Tripwire; intrusion (Recognition of human and vehicle)					Management Software	Smart PSS, DSS, DMSS
Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos					Mobile Phone	IOS; Android
Video		VIGCOS					Certification	
Video Compress	Video Compression		H.265; H.264; H.264H; H.264B; MJPEG				Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive
Smart Codec		Yes						2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Video Frame Rate		Main stream (2592 × 1944@1–20 fps) (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)					Power	
							Power Supply	12V DC/PoE (802.3af)
Stream Capability		3 streams					Power Consumption	<5.7W
Resolution		5M (2592 × 1944); 4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Environment	
							Operating Conditions	-40°C to +60°C (-40°F to +140°F)/ less than≤95%

Lite Al Series | DH-IPC-HDBW3541F-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					
5MP	DH-IPC-HDBW3541FP-AS-M	5MP Lite AI IR Fixed focal Dome Network Camera,PAL					
Camera	DH-IPC-HDBW3541FN-AS-M	5MP 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					

Accessories

Optional:







PFB220C Ceiling Mount

LR1002-1ET/1EC

Single-port long

coax extender



PFB204W Wall Mount



PFA106 Mount Adapter



PFM900-E Integrated Mount reach ethernet over tester



Pole Mount

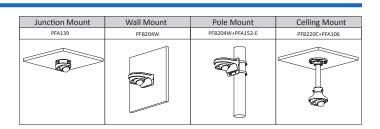


PFM321D DC12V1A Power Adapter



PFM114 TLC SD card

Rev 001.001



Dimensions (mm[inch])

