

# DH-IPC-HFW3241T-ZAS

2MP Lite AI IR Vari-focal Bullet Network Camera



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080)@30 fps
- · H.265 codec, high compression rate, low bit rate
- · Built-in IR LED. max. IR distance: 60 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 abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- 12V DC/POE power support
- IP67, IK10(optional) 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, 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.

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 Sp	Technical Specification					BLC	Yes
Camera						HLC	Yes
Image Sensor		1/2.8"2Megapixel progressive CMOS				WDR	120 dB
Effective Pixels		1920 (H) ×1080 (V)				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
ROM		128 MB				Gain Control	Auto/Manual
RAM		256 MB				Noise Reduction	3D DNR
Scanning System		Progressive				Motion Detection	OFF/ON (4 areas, rectangular)
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s				Region of Interest(RoI)	Yes (4 areas)
Min. Illumination		0.002 Lux@F1.5				Smart IR	Yes
IR Distance		60 m (197 ft)				Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
IR On/Off Control		Auto/Manual				Mirror	resolution.) Yes
IR LEDs Number	IR LEDs Number						4 areas
Pan/Tilt/Rotatio	Pan/Tilt/Rotation Range		'–360°; vertica	l: 0°–90°; rotati	ion: 0°–360°	Privacy Masking Audio	4 41645
Lens							C 741 - C 741 M. C72C AAC
Lens Type		Motorized vari-focal				Audio Compression	G.711a; G.711Mu; G726; AAC
Mount Type		ф14				Network	
Focal Length		2.7 mm-13.5	mm			Network	RJ-45 (10/100 Base-T)  IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;
Max. Aperture	Max. Aperture					Protocol	RTMP;SMTP;FTTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP; Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Field of View	Field of View		)8°–28° -16° )° –33°			Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
Iris Type		Fixed aperture				Scene Self-adaptation	Yes
Close Focus Distance		0.8 m (2.6 ft)				User/Host	20 (Total bandwidth: 64 M)
	Lens	Detect	Observe	Recognize	Identify	Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS
DORI Distance	W	44.1 m (144.7 ft) 153.1 m	17.6 m (57.7 ft) 61.2 m	8.8 m (28.9 ft) 30.6 m	4.4 m (14.4 ft) 15.3 m	Browser	IE: IE8, IE9, IE11 Chrome Firefox
	Т	(502.3 ft)	(200.8 ft)	(82.9 ft)	(50.2 ft)	Management Software	Smart PSS, DSS, DMSS
Professional,	Professional, Intelligent					Mobile Phone	IOS; Android
Perimeter Protec	ction	Tripwire; intrusion (Recognition of human and vehicle)				Certification	
Intelligent Search				IVR to perform raction and me		Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
	Video			AD. NAIDEC			FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
,	Video Compression		; H.264H; H.26	4B; IVIJPEG		Port	
Smart Codec	Smart Codec		/1020 × 1080 <i>6</i>	31 3E/30 fps)		Audio Input	1-channel (RCA port)
Video Frame Rate		Main stream (1920 × 1080@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)				Audio Output	1-channel (RCA port)
Stream Capabilit	Stream Capability					Alarm Input	1 channel in: 5mA 3V–5V DC
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				Alarm Output	1 channel out: 300mA 12V DC
Bit Rate Control		(352 × 288/352 × 240)  CBR/VBR				Power	
		H.264: 3 Kbps–8192 Kbps				Power Supply	12V DC/PoE (802.3af)
Video Bit Rate		H.265: 3 Kbps-8192 Kbps				Power Consumption	<9.4W
Day/Night		Auto(ICR)/Color/B/W				Environment	

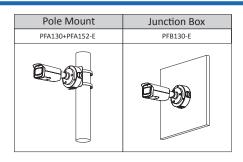
# Lite Al Series | DH-IPC-HFW3241T-ZAS

Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than≤95%	
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)	
Ingress Protection	IP67	

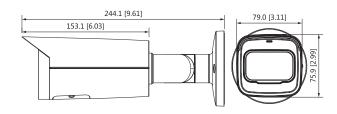
#### Structure

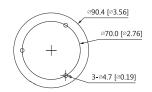
Casing	Metal		
Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.6" × 3.1" × 3.0") (L × W × H)		
Net Weight	820 g (1.8lb)		
Gross Weight	1090 g (2.4lb)		

Ordering Information						
Туре	Part Number	Description				
2MP	DH-IPC-HFW3241TP-ZAS	2MP Lite AI IR Vari-focal Bullet Network Camera,PAL				
Camera	DH-IPC-HFW3241TN-ZAS	2MP Lite AI IR Vari-focal Bullet Network Camera,NTSC				
	PFA130-E	Junction Box				
	PFA152-E	Pole Mount				
Accessories	PFM321D	DC12V1A Power Adapter				
(optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet Over Coax Extender				
	PFM900-E	Integrated Mount Tester				
	PFM114	TLC SD Card				



### Dimensions (mm[inch])





## Accessories

#### **Optional:**







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



PFA152-E Pole Mount



PFM900-E Integrated Mount tester



PFM321D DC12V1A Power Adapter



PFM114 TLC SD card

