

## DH-IPC-HFW3441T-ZAS

4MP Lite AI IR Vari-focal Bullet 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: 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 Specification							Day/Night	Auto(ICR)/Color/B/W
Camera							BLC	Yes
Image Sensor		1/3"4Megapixel progressive CMOS					HLC	Yes
Effective Pixels		2688 (H) ×1520 (V)					WDR	120 dB
ROM		128 MB					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
RAM		512 MB					Gain Control	Auto/Manual
Scanning System		Progressive					Noise Reduction	3D DNR
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Motion Detection	OFF/ON (4 areas, rectangular)
Min. Illumination		0.005 Lux@F1.5					Region of Interest(RoI)	Yes (4 areas)
IR Distance		60 m (197 ft)					Smart IR	Yes
IR On/Off Control		Auto/Manual						0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
IR LEDs Number	IR LEDs Number		4 (IR LEDs)				Image Rotation	resolution.)
Pan/Tilt/Rotation	n Range	Horizontal: 0°–360°; vertical: 0°–90°; rotation: 0°–360°					Mirror	Yes
Lens	Lens						Privacy Masking	4 areas
Lens Type		Motorized vari-focal					Audio	
Mount Type		ф14					Audio Compression	G.711a; G.711Mu; G726; AAC
Focal Length		2.7 mm-13.5 mm					Network	
Max. Aperture		F1.5					Network	RJ-45 (10/100 Base-T)
Field of View		Horizontal: 104°–27° Vertical: 55° –15° Diagonal: 124° –31°					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
Iris Type		Fixed aperture	e				Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
Close Focus Distance		0.8 m (2.6 ft)					Scene Self-adaptation	Yes
	Lens	Detect	Observe	Recognize	Identify		User/Host	20 (Total bandwidth: 64 M)
DORI Distance	W	64.0 m (210.0ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)		Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS
	Т	222.0 m (728.3 ft)	88.8m (291.3 ft)	44.4 m (145.7 ft)	22.2 m (72.8 ft)		Browser	IE: IE8, IE9, IE11 Chrome
Professional, Intelligent							browser	Firefox
Perimeter Protec	ction	Tripwire; intrusion (Recognition of human and vehicle)					Management Software	Smart PSS, DSS, DMSS
Intelligent Search	Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event				Mobile Phone	IOS; Android
6		videos					Certification	
Video								CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive
Video Compressi	ion	H.265; H.264; H.264H; H.264B; MJPEG					Certifications	2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Smart Codec		Yes						UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Video Frame Rate		Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps)					Port	
Stream Capability		third stream (1280 × 720@1–25/30 fps) 3 streams					Audio Input	1-channel (RCA port)
Caream Capability		4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 ×					Audio Output	1-channel (RCA port)
Resolution		1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352					Alarm Input	1 channel in: 5mA 3V–5V DC
Dia Data C		× 240)					Alarm Output	1 channel out: 300mA 12V DC
Bit Rate Control		CBR/VBR H.264: 3 Kbps–8192 Kbps					Power	
Video Bit Rate		H.265: 3 Kbps–8192 Kbps					Power Supply	12V DC/PoE (802.3af)

## Lite Al Series | DH-IPC-HFW3441T-ZAS

Power Consumption	<9.8W
Environment	
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

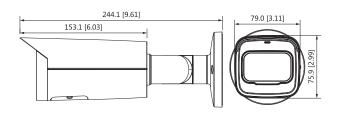
#### Structure

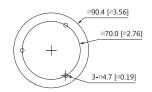
Casing	Metal
Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.6" × 3.1" × 3.0") (L × W × H)
Net Weight	820 g (1.8lb)
Gross Weight	1090 g (2.4lb)

Ordering Information						
Туре	Part Number	Description				
4MP Camera	DH-IPC-HFW3441TP-ZAS	4MP Lite AI IR Vari-focal Bullet Network Camera,PAL				
	DH-IPC-HFW3441TN-ZAS	4MP 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				

# Pole Mount Junction Box PFA130+PFA152-E PFB130-E

## 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

