

DH-IPC-HFW3241T-ZS

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, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · 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.



BLC

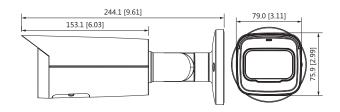
Yes

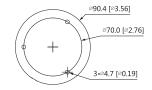
Technical Specification							WDR	120 dB
Camera							White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Image Sensor		1/2.8"2Megapixel progressive CMOS					Gain Control	Auto/Manual
Effective Pixels		1920 (H) ×1080 (V)					Noise Reduction	3D DNR
ROM		128 MB					Motion Detection	OFF/ON (4 areas, rectangular)
RAM		256 MB					Region of Interest(RoI)	Yes (4 areas)
Scanning System		Progressive					Smart IR	Yes
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080
Min. Illumination		0.002 Lux@F1.5						resolution.)
IR Distance		60 m (197 ft)					Mirror	Yes
IR On/Off Control		Auto/Manual					Privacy Masking	4 areas
IR LEDs Number		4 (IR LEDs)					Network	
Lens							Network	RJ-45 (10/100 Base-T)
Lens Type Mount Type		Motorized vari-focal φ14					Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP
Focal Length		2.7 mm–13.5 mm					Interoperability	ONVIF (Profile S/Profile G); CGI; P2P
Max. Aperture		F1.5					Scene Self-adaptation	Yes
			Horizontal: 108°–28°				User/Host	20 (Total bandwidth: 64 M)
Field of View		Vertical: 57° –16° Diagonal: 130° –33°					Edge Storage	FTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS
Iris Type		Fixed aperture					Browser	IE IE8, IE9, IE11 Google
Close Focus Dista	ance	0.8 m (2.6 ft)					Browser	Firefox
	Lens	Detect	Observe	Recognize	Identify		Management Software	NVR; DSS; DMSS; IVSS
DORI Distance	W	44.1 m (144.7 ft)	17.6 m (57.7 ft)	8.8 m (28.9 ft)	4.4 m (14.4 ft)		Mobile Phone	IOS; Android
	Т	153.1 m (502.3 ft)	61.2 m (200.8 ft)	30.6 m (82.9 ft)	15.3 m (50.2 ft)		Certification	
Professional, Intellige		ent					Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Perimeter Protection		Tripwire; intrusion (Recognition of human and vehicle)						UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Intelligent Search			Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event				Power	
Video		videos					Power Supply	12V DC/POE
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG					Power Consumption	< 9.4W
		H.264: Yes					Environment	
Smart Codec		H.265: Yes					Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than≤95%
Video Frame Rate		Main stream (1920 × 1080@1–25/30 fps) sub stream(704 × 576@1–25/30 fps) third stream(1280 × 720@1–25/30 fps)					Strorage Conditions	-40°C to +60°C (-40°F to +140°F)
Stream Capability		3 streams					Ingress Protection	IP67
Resolution		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Structure	
Bit Rate Control		CBR; VBR					Casing	Metal
Video Bit Rate		H.264: 3 Kbps-8192 Kbps					Dimensions	81 mm × Φ109.9 mm (3.2" × Φ4.3")
Day/Night		H.265: 3 Kbps–8192 Kbps ICR auto switch					Net Weight	378 g (0.8 lb)
BIC							Gross Weight	523 g (1.2 lb)
		Yes						

Lite Al Series | DH-IPC-HFW3241T-ZS

Ordering Information						
Туре	Part Number	Description				
2MP	DH-IPC-HFW3241TP-ZS	2MP Lite AI IR Vari-focal Bullet Network Camera,PAL				
Camera	DH-IPC-HFW3241TN-ZS	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:



PFA130-E Junction Box



PFA152-E Pole Mount



PFM321D DC12V1A Power Adapter



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

