

# DH-IPC-HDW3241TM-AS

2MP Lite AI IR Fixed focal Eyeball Netwok 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: 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 (Recognition of vehicle and human)
- 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 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.



Bit Rate Control

CBR/VBR

Technical Specification							Video Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Camera							Day/Night	Auto(ICR)/Color/B/W
Image Sensor		1/2.8" 2Megapixel progressive CMOS					BLC	Yes
Effective Pixels		1920 (H) ×1080 (V)					HLC	Yes
ROM		128 MB					WDR	120 dB
RAM		256 MB					White Balance	Auto/natural/street lamp/outdoor/manual/regional
Scanning System		Progressive						custom
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100000 s					Gain Control	Auto/Manual
Min. Illumination		0.002 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		2 (IR LEDs)				Smart IR	Yes
Pan/Tilt/Rotation Range		Horizontal: 0°–360°; vertical: 0°–78°; rotation: 0°–360°					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution.)
Lens	Lens						Mirror	Yes
Lens Type		Fixed focal					Privacy Masking	4 areas
Mount Type		M12					Audio	
Focal Length		2.8 mm; 3.6 mm; 6 mm					Built-in MIC	Yes
Max. Aperture		F1.6					Audio Compression	G.711a; G.711Mu; G726; AAC
Field of View		2.8 mm: Horizontal:106°; vertical: 57°; diagonal: 126° 3.6 mm: Horizontal:87°; vertical: 46°; diagonal: 104° 6 mm: Horizontal:64°; vertical: 20°; diagonal: 63°					Network	
Iris Type		6 mm: Horizontal:54°; vertical: 29°; diagonal: 63°  Fixed aperture					Network	RJ-45 (10/100 Base-T)
Close Focus Distance		2.8 mm: 0.6 m (2.0 ft) 3.6 mm: 1.2 m (3.9 ft)					Protocol	IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTM P;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multi cast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
		6 mm: 2.5 m (8.2 ft)					Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
	Lens	Detect	Observe	Recognize	Identify		Scene Self-adaptation	Yes
	2.8mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)		User/Host	20 (Total bandwidth: 64 M)
DORI Distance	3.6mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)		Edge Storage	FTP; SFTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS
	6mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)		Browser	IE: IE8, IE9, IE11 Chrome Firefox
Professional							Management Software	Smart PSS, DSS, DMSS
Perimeter Prote	ction	Tripwire; intrusion (Recognition of human and vehicle)					Mobile Phone	IOS; Android
Intelligent Searc	Intelligent Search		Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				Certification	
Video								CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG					Certifications	2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Smart Codec		Yes					Power	,
Video Frame Rate		Main stream (1920 × 1080@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps)					Power Supply	12V DC/PoE (802.3af)
Stream Capability		third stream(1280 × 720@1–25/30 fps)  3 streams					Power Consumption	<7.7W
Carcam Capability		1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280					Environment	
Resolution		× 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)					Operating Conditions	-40°C to +60°C (-40°F to +140°F)/ less than≤95%

Strorage Conditions

-40°C to +60°C (-40°F to +140°F)

# Lite Al Series | DH-IPC-HDW3241TM-AS

Ingress Protection	IP67	
Structure		
Casing	Metal	
Dimensions	99.1 mm × Φ121.9 mm (3.9" × Φ4.8")	
Net Weight	480 g (1.05 lb)	
Gross Weight	660 g (1.45 lb)	

Junction Mount	Wall Mount	Pole Mount
PFA130-E	PFB203W	PFB152-E+PFA203W

Ordering Information					
Туре	Part Number	Description			
2MP	DH-IPC-HDW3241TMP-AS	2MP Lite AI IR Fixed focal Eyeball Netwok Camera,PAL			
Camera	DH-IPC-HDW3241TMN-AS	2MP Lite AI IR Fixed focal Eyeball Netwok Camera,NTSC			
	PFA130-E	Junction Box			
	PFB203W	Wall mount			
	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			

# 83.3 [3.28] $4-4.5 \times 5.5$ ଷ Ø84.0 [Ø3.31] 99.1 [3.9]

Dimensions (mm[inch])

## Accessories

### **Optional:**



PFA130-E Junction Box



PFB203W Wall Mount



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



Ø121.9 [Ø4.8]