

# DH-IPC-HDW2439T-AS-LED-S2

4MP Lite Full-color Fixed-focal Eyeball Network Camera



Series Overview

With upgraded H.265 encoding technology, Dahua Lite series network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest full-color technology and displays better color image in the condition of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying to the standards of IP67.

### **Functions**

# Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

# **Full-color**

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultra-low illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in warm lights, max. illumination distance: 30 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
- · Built-in Mic
- · Supports max. 256 GB Micro SD card
- 12V DC/PoE power supply
- IP67 protection













#### **WDR**

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

# IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

#### 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	ecification	on					2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440);
Camera						Resolution	2304 × 1296 (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)
Image Sensor		1/3"4Megapi	xel progressive	CMOS		Bit Rate Control	CBR/VBR
Max. Resolution		2688 (H) × 1520 (V)					H.264: 32 kbps-6144 kbps
ROM		128 MB				Video Bit Rate	H.265: 12 kbps-6144 kbps
RAM		128 MB				Day/Night	Color/B/W
Scanning System		Progressive				BLC	Yes
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s				HLC	Yes
Minimum Illumination		0.004 Lux@F1.0				WDR	120 dB
S/N Ratio		> 56 dB				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Illumination Dist	ance	30 m (98.4 ft)				Gain Control	Auto/Manual
Illuminator On/C	Illuminator On/Off Control					Noise Reduction	3D DNR
Illuminator Num	ber	2 (Warm light	:)			Motion Detection	OFF/ON (4 areas, rectangular)
Don/Tilt/Dotatio	n Danas	Pan: 0°-360° Tilt: 0°-78°				Region of Interest(RoI)	Yes (4 areas)
Pan/Tilt/Rotation Range		Rotation: 0°–	360°			Smart Illumination	Yes
Lens		E: 16 1				Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688×1520 resolution and lower.)
Lens Type		Fixed-focal				Mirror	Yes
Mount Type		ф14				Privacy Masking	4 areas
Focal Length		2.8 mm 3.6 mm				Audio	
Max. Aperture		2.8 mm: F1.0 3.6 mm: F1.0				Built-in MIC	Yes
		2.8 mm: 96° (Horizontal) × 51° (Vertical) × 115°				Audio Compression	G.711A; G.711Mu; G.726; AAC
Field of View		(Diagonal) 3.6 mm: 81° (Horizontal) × 44° (Vertical) × 97° (Diagonal)				Alarm	
Iris Type		Fixed				Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage
Close Focus Distance		2.8 mm: 1.3 r 3.6 mm: 1.8 r	, ,				detection; audio detection; safety exception
	Lens	Detect	Observe	Recognize	Identify	Network	
DORI Distance	2.8mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	5.6 m (17.1 ft)	Network	RJ-45 (10/100 Base-T)
	3.6mm	72.0 m	28.8 m	14.4 m	7.2 m	SDK and API	Yes
Smart event		(236.2 ft) (94.5 ft) (47.2 ft) (23.6 ft)				Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP;
General IVS Analytics		Tripwire; in	ntrusion				Bonjour  ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone;
Video						Interoperability	Genetec
Video Compression		H.265; H.264 sub stream)	; H.264B; MJPE	G (only suppor	ted by the	User/Host	20 (Total bandwidth: 72 M.)
Smart Codec		Smart H.265+	/ Smart H.264	+		Storage	Dahua Cloud; FTP; Micro SD card (support max. 256 G); NAS; SFTP
Video Frame Rate			(1 fps–25/30 fp (1 fps–25/30 fp	•		Browser	IE Chrome Firefox
		Sub stream:	fps-20/25 fps)	, , ,		Management Software	Smart PSS; DSS; DMSS
			fps-20/30 fps)			Mobile Phone	IOS; Android
Stream Capability		2 streams				Certification	

# Lite Series | DH-IPC-HDW2439T-AS-LED-S2

CE-LVD: EN62368-1
CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU
FCC: 47 CFR FCC Part 15, Subpart B

#### Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 7.4W

# Environment

Operating Conditions	-40 °C to $+60$ °C ( $-40$ °F to $+140$ °F)/less than ≤ 95% RH	
Storage Temperature	-40°C to +60°C (-40°F to +140°F)	
Protection Grade	IP67	

#### Structure

Casing	Inner core: metal; cover: plastic ( pedestal: plastic )	
Dimensions	100.9 mm × Φ109.9 mm (4.0" × Φ4.3")	
Net Weight	0.365 kg (0.8 lb)	
Gross Weight	0.527 kg (1.2 lb)	

#### **Ordering Information** Part Number Description Type DH-IPC-HDW2439TP-AS-4MP Lite Full-color Fixed-focal LED-S2 Eyeball Network Camera, PAL 4MP Camera DH-IPC-HDW2439TN-AS-4MP Lite Full-color Fixed-focal LED-S2 Eyeball Network Camera, NTSC PFA130-E Junction Box PFB203W Wall Mount PFA152-E Pole Mount Accessories 12V DC 1A Power Adapter PFM321D (optional) Single-port Long Reach Ethernet LR1002-1ET/1EC over Coax Extender PFM900-E Integrated Mount Tester

PFM114

# **Accessories**

# **Optional:**



PFA130-E Junction Box



PFB203W Wall Mount



PFA152-E Pole Mount



PFM321D 12V DC 1A Power Adapter



LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



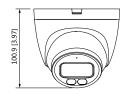
PFM900-E Integrated Mount Tester

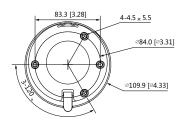


PFM114 TLC SD Card

Junction Box	Junction Box	Pole Mount
PFA130-E	PFB203W	PFA152-E+PFB203W

# Dimensions (mm[inch])







TLC SD Card