

# DH-IPC-HDW2239T-AS-LED-S2

2MP Lite Full-color Fixed-focal Eyeball Network Camera



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 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













## **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 ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

#### 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	ecificatio	on						
Camera				Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF			
Image Sensor		1/2.8" 2Megapixel progressive CMOS						(352 × 288/352 × 240)
Max. Resolution		1920 (H) × 1080 (V)					Bit Rate Control	CBR/VBR
ROM		128 MB					Video Bit Rate	H.264: 32 kbps-6144 kbps 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		0.0017 Lux@F1.0					WDR	120 dB
S/N Ratio		> 56 dB					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Illumination Distance		30 m (98.4 ft)					Gain Control	Auto/Manual
Illuminator On/Off Control		Auto/Manual					Noise Reduction	3D DNR
Illuminator Num	ber	2 (Warm ligh	t)				Motion Detection	OFF/ON (4 areas, rectangular)
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78°					Region of Interest(RoI)	Yes (4 areas)
Lana		Rotation: 0°–360°					Smart Illumination	Yes
Lens Type		Fixed-focal					Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower)
Mount Type		ф14					Mirror	Yes
Focal Length		2.8 mm 3.6 mm					Privacy Masking	4 areas
Max. Aperture		2.8 mm: F1.0					Audio	
·		3.6 mm: F1.0 2.8 mm: 107° (Horizontal) × 55° (Vertical) × 127°					Built-in MIC	Yes
Field of View		(Diagonal) (Horizontal) × 47° (Vertical) × 109° (Diagonal)					Audio Compression	G.711A; G.711Mu; G.726; AAC
Iris Type		Fixed					Alarm	
Close Focus Distance		2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.3 m (4.3 ft)					Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception
	Lens	Detect	Observe	Recognize	Identify		Network	
DORI Distance	2.8mm	38.6m (126.6 ft)	15.4m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)		Network	RJ-45 (10/100 Base-T)
	3.6mm	49.7m (163.1 ft)	65.3m (108.6 ft)	32.5m (54.5 ft)	18.0m (27.2 ft)		SDK and API	Yes
Smart event		(200.2 k) (200.0 k) (200.2 k)					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; intrusion						Bonjour
Video							Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Video Compression		$\mbox{H.265; H.264; H.264B; MJPEG}$ (only supported by the sub stream)					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		Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)					Browser	IE Chrome Firefox
							Management Software	Smart PSS; DSS; DMSS

2 streams

Stream Capability

Mobile Phone

IOS; Android

#### Certification

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

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 7.1W

# Environment

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

# Structure

Casing	Ilnner 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** Type Part Number Description DH-IPC-HDW2239TP-AS-2MP Lite Full-color Fixed-focal Eyeball Network Camera, PAL LED-S2 2MP Camera DH-IPC-HDW2239TN-AS-2MP Lite Full-color Fixed-focal LED-S2 Eyeball Network Camera, NTSC PFA130-E Junction Box PFB203W Wall Mount PFA152-E Pole Mount Accessories PFM321D 12V DC 1A Power Adapter (optional) Single-port Long Reach Ethernet LR1002-1ET/1EC over Coax Extender PFM900-E Integrated Mount Tester PFM114 TLC SD Card

#### 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])





