

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 NR, 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 GB Micro SD card and built-in Mic
- 12V DC/PoE power supply
- · IP67 protection













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 starlight 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 with the standards of IP67 (Supported by some select models).

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.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

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 $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Sp	ecificatio	on				Bit Rate Control	CBR/VBR
Camera				Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps		
Image Sensor		1/2.8" 2Megapixel progressive CMOS				Day/Night	Color/B/W
Max. Resolution		1920 (H) × 1080 (V)				BLC	Yes
ROM		128 MB				HLC	Yes
RAM		128 MB				WDR	120 dB
Scanning System		Progressive				White Balance	Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s				Gain Control	custom Auto/Manual
Minimum Illumination		0.0017 Lux@F1.0				Noise Reduction	3D NR
S/N Ratio		> 56 dB				Motion Detection	OFF/ON (4 areas, rectangular)
Illumination Dist	tance	30 m (98.4 ft)				Region of Interest(RoI)	Yes (4 areas)
Illuminator On/0	Off Control	Auto/Manual				Smart Illumination	Yes
Illuminator Num	ber	2 (Warm light)				Sinartinumination	
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78°				Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower)
Lens		Rotation: 0°–360°				Mirror	Yes
Lens Type		Fixed-focal				Privacy Masking	4 areas
Mount Type		M12				Audio	
		2.8 mm				Built-in MIC	Yes
Focal Length		3.6 mm				Audio Compression	G.711A; G.711Mu; G.726
Max. Aperture		2.8 mm: F1.0 3.6 mm: F1.0				Alarm	
Field of View		2.8 mm: Horizontal 107° × Vertical 55° × Diagonal 127° 3.6 mm: Horizontal 91° × Vertical 47° × Diagonal 109°				Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage
Iris Type		Fixed					detection; audio detection; safety exception
Close Focus Dist	ance	2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.3 m (4.3 ft)				Network	
	Lens	Detect	Observe	Recognize	Identify	Network	RJ-45 (10/100 Base-T)
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)	SDK and API	Yes
DOM DISTANCE	3.6mm	49.7m (163.1 ft)	65.3m (108.6 ft)	32.5m (54.5 ft)	18.0m (27.2 ft)	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted
Smart event							execution; trusted upgrade
IVS		Tripwire; intrusion					IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP;
Video						Protocol	RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Video Compression		H.265; H.264; H.264B; MJPEG (only supported by the sub stream)				Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Smart Codec		Smart H.265+/ Smart H.264+				User/Host	20 (Total bandwidth: 72 M.)
Video Frame Rate		Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps)				Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP
		704 × 480 (1 fps-30 fps)				Browser	IE Chrome
Stream Capability		2 streams 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280				Management Software	Firefox Smart PSS; DSS; DMSS
Resolution		×720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				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 ≤ 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 Part Number Description Type 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 Eyeball Network Camera, NTSC LED-S2 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:







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])



