

DH-IPC-HDW2230T-AS-S2

2MP IR Eyeball Network Camera



- 2MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs 2MP (1920 × 1080)@25/30 fps
- H.265 codec, high compression ration, ultra-low bit rate
- Built-in IR LED, max IR distance: 30 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- · Supports max. 256 GB Micro SD card, built-in Mic
- 12V DC/PoE power support
- IP67 protection











System Overview

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

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.

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.

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 ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



Technical Specification						Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 ×720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF
Camera							(352 × 288/352 × 240)
Image Sensor		1/2.7"2Meg	gapixel progres	sive CMOS		Bit Rate Control	CBR/VBR
Effective Pixels		1920 (H) × 1080 (V)				Video Bit Rate	H.264: 32 Kbps-6144 Kbps H.265: 12 Kbps-6144 Kbps
ROM		128 MB				Day/Night	Auto(ICR)/Color/B/W
RAM		128 MB				BLC	Yes
Scanning System		Progressive				HLC	Yes
Electronic Sh	utter Speed	Auto/Manual 1/3 s–1/100000 s				WDR	DWDR
Min. Illuminat	tion	0.005 Lux @ F1.6					Auto/natural/street lamp/outdoor/manual/regional
IR Distance		30 m (98.43 ft)				White Balance	custom
IR On/Off Cor	ntrol	Auto/Manua	al			Gain Control	Auto/Manual
IR LEDs Numb	per	2				Noise Reduction	3D DNR
Pan/Tilt/Rota	tion Range	Pan: 0°–360 Tilt: 0°–78°)°			Motion Detection	OFF/ON (4 areas, rectangular)
		Rotation: 0°-	–360°			Region of Interest(RoI)	Yes (4 areas)
Lens		Fixed-focal				Smart IR	Yes
Lens Type Mount Type		M12				Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower.)
Focal Length		2.8 mm 3.6 mm				Mirror	Yes
Max. Aperture		F1.6 F1.6				Privacy Masking	4 areas
		2.8 mm:				Audio	
		Pan: 110.0° Tilt: 59.0°				Built-in MIC	Yes
Field of View		Diagonal: 13	32.0			Audio Compression	G.711A; G.711Mu; G.726; AAC
		Pan: 91.0° Tilt: 48.0° Diagonal: 10	09.0°			Network	
Iris Type		Fixed apertu	ure			Network	RJ-45 (10/100 Base-T)
Close Focus Distance			m (1.97 ft) m (3.61 ft)			Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS;
	Lens	Detect	Observe	Recognize	Identify	Trotocor	QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour; SNMP
DORI Distance	2.8 mm	37.3 m (122.38 ft)	14.9 m (48.88 ft)	7.5 m (24.61 ft)	3.7 m (12.14 ft)	Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
	3.6 mm	53.3 m (174.87 ft)	21.3 m (96.88 ft)	10.7 m (35.10 ft)	5.3 m (17.39 ft)	User/Host	20
Smart event						Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
General IVS A	nalytics	Tripwire; intrusion					IE
Video						Browser	Chrome Firefox
Video Compression		H.265; H.264; H.264B; MJPEG				Management Software	Smart PSS; DSS; DMSS
Smart Codec		Yes				Mobile Phone	IOS; Android
		Main stream				Certification	
Video Frame Rate		1920 × 1080 Sub stream: 704 × 576 (1 704 × 480 (1	l fps-25fps)	ps)		Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Stream Capability		2 streams					UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Lite Series | DH-IPC-HDW2230T-AS-S2

Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 5.9W
Forting	

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	IP67	

Structure

Casing	Metal + plastic
Dimensions	100.9 mm × Ф109.9 mm (4.0" × Ф4.3")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.56 kg (1.2 lb)

Ordering Information

Ordering information							
Туре	Part Number	Description					
2MP Camera	DH-IPC-HDW2230TP- AS-S2	2MP IR Eyeball Network Camera, PAL					
Zivii Camera	DH-IPC-HDW2230TN- AS-S2	2MP IR Eyeball Network Camera, NTSC					
	PFA130-E	Junction Box					
	PFB203W	Wall Mount					
	PFA152-E	Pole Mount					
Accessories (optional)	PFM321D	DC12V1A Power Adapter					
,	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender					
	PFM900-E	Integrated Mount Tester					
	PFM114	TLC SD Card					

Accessories

Optional:



PFA130-E Junction Box



PFM321D DC12V1A Power Adapter



PFB203W Wall Mount



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



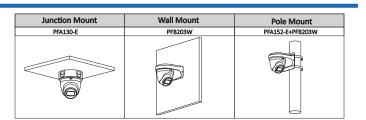
PFA152-E Pole Mount



PFM900-E Integrated Mount Tester



PFM114 TLC SD Card



Dimensions (mm[inch])

