

# DH-IPC-HDW2531T-AS-S2

5MP Lite IR Fixed-focal Eyeball Network Camera



- · Outputs 2688×1520 (2688×1520) @ 25/30 fps, and supports max. 5MP (2592×1944) @ 20 fps

· 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition

- · H.265 codec, high compression rate, 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, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- · Intelligent detection: Intrusion, tripwire
- $\cdot \, \text{Abnormality detection: Motion detection, video tampering, no SD card,} \\$ 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.

## 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.

#### 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						Stream Capability	2 streams
Camera							2592×1944(2592×1944); 2688×1520(2688×1520); 3M(2048×1536); 2304×1296(2304×1296);
Image Sensor		1/2.7" 5Meg	gapixel progres	ssive CMOS		Resolution	1080p(1920×1080); 1.3M (1280 × 960); 720p(1280×720); D1(704× 576/704×480);
Effective Pixels		2592 (H) × 1	944 (V)				VGA(640×480); CIF(352×288/352×240)
ROM		128 MB				Bit Rate Control	CBR/VBR
RAM		256 MB				Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 12 Kbps–8192 Kbps
Scanning System		Progressive				Day/Night	Auto(ICR)/Color/B/W
Electronic Shutter Speed		Auto/Manua	al 1/3 s-1/100	000 s		BLC	Yes
Min. Illumination		0.008 Lux @	F1.6			HLC	Yes
IR Distance		30 m (98.43	ft)			WDR	120 dB
IR On/Off Control		Auto/Manua	al			White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
IR LEDs Number		2				Gain Control	Auto/Manual
Pan/Tilt/Rotation Range		Pan: 0°–360 Tilt: 0°–78°	•			Noise Reduction	3D DNR
,,		Rotation: 0°-	–360°			Motion Detection	OFF/ON (4 areas, rectangular)
Lens						Region of Interest(RoI)	Yes (4 areas)
Lens Type		Fixed				Smart IR	Yes
Mount Type		M12 2.8 mm				Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 152 resolution and lower.)
Focal Length		3.6 mm F1.6				Mirror	Yes
Max. Aperture		F1.6				Privacy Masking	4 areas
		2.8 mm: Pan: 103.0°				Audio	
Field of View		Tilt: 71.0° Diagonal: 13	32.0°			Built-in MIC	Yes
		3.6 mm: Pan: 84.0° Tilt: 58.0°				Audio Compression	G.711A; G.711Mu; G.726; AAC
		Diagonal: 11	10.0°			Network	
Iris Type		Fixed aperture				Network	RJ-45 (10/100 Base-T)
Close Focus D	vistance Lens		2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (3.61 ft)  Detect Observe Recognize		Identify	Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
DORI Distance	2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)	Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
	3.6 mm	80 m (262.47 ft)	32.0 m (104.99 ft)	16.0 m (52.49 ft)	8.0 m (26.25 ft)	User/Host	20
Smart event						Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
General IVS Analytics		Tripwire; int	rusion			Drawe	IE
Video						Browser Chrome Firefox	
Video Compression		H.265; H.264	4; H.264B; MJF	PEG		Management Software	Smart PSS; DSS; DMSS
Smart Codec		Yes				Mobile Phone	IOS; Android
		Main stream:				Certification	
Video Frame Rate		2592 × 1944 (1 fps-20 fps) 2688 × 1520 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)				Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

# Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 7.2W

# Environment

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

## Structure

Casing	Metal
Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")
Net Weight	0.39 kg (0.9 lb)
Gross Weight	0.56 kg (1.2 lb)

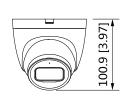
Ordering Information					
Туре	Part Number	Description			
5MP Camera	DH-IPC- HDW2531TP-AS-S2	5MP Lite IR Fixed-focal Eyeball Network Camera,PAL			
Sivii Camera	DH-IPC- HDW2531TN-AS-S2	5MP Lite IR Fixed-focal Eyeball Network Camera, NTSC			
	PFA130-E	Junction Box			
	PFB203W	Wall Mount			
	PFA152-E	Pole 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			

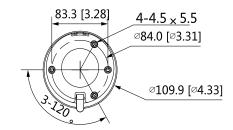


PFM114 TLC SD Card

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

# Dimensions (mm[inch])





# Accessories

# **Optional:**



PFA130-E Junction Box





PFB203W Wall Mount



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



PFA152-E Pole Mount



PFM900-E Integrated Mount Tester

