

DH-IPC-HFW2531S-S-S2

5MP Lite IR Fixed-focal Bullet Network Camera



- · 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- · Outputs 2688×1520 (2688×1520) @ 25/30 fps, and supports max. 5MP (2592×1944) @ 20 fps
- · 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
- · 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
- · 12V DC/PoE power support
- · IP67 protection grade













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



Technical Specification						Stream Capability	2 streams
Camera						Resolution	2592×1944(2592×1944); 2688×1520(2688×1520); 3M(2048×1536); 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		1/2.7" 5Megapixel progressive CMOS					
Effective Pixels		2592 (H) × 1944 (V)					
ROM	ROM					Bit Rate Control	CBR/VBR
RAM		256 MB				Video Bit Rate	H.264: 32 Kbps–8192 Kbps
Scanning System		Progressive				VIGEO BIL NATE	H.265: 12 Kbps-8192 Kbps
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100000 s				Day/Night	Auto(ICR)/Color/B/W
Min. Illuminat	tion	0.008 Lux@F1.6				BLC	Yes
IR Distance		30 m (98.43 ft)				HLC	Yes
IR On/Off Cor	ntrol	Auto/Manual				WDR	120 dB
IR LEDs Numb	per	1				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Pan/Tilt/Rota	ation Range	Pan: 0°-360 Tilt: 0°-90°	•			Gain Control	Auto/Manual
, ,	Ö	Rotation: 0°-	–360°			Noise Reduction	3D DNR
Lens	Lens					Motion Detection	OFF/ON (4 areas, rectangular)
Lens Type		Fixed				Region of Interest(RoI)	Yes (4 areas)
Mount Type		M12				Smart IR	Yes
Focal Length		2.8 mm 3.6 mm				Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Supports $90^{\circ}/270^{\circ}$ with 2688×1520 resolution and lower.)
Max. Apertur	Max. Aperture					Mirror	Yes
						Privacy Masking	4 areas
Field of View		Tilt: 71.0° Diagonal: 13	32.0°			Network	
Field of View		3.6 mm: Pan: 84.0° Tilt: 58.0°				Network	RJ-45 (10/100 Base-T)
laia Tius a		Diagonal: 11 Fixed apertu				Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS;
Iris Type Close Focus Distance		2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (3.61 ft)				Totocoi	QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
	Lens	Detect	Observe	Recognize	Identify	Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
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)	User/Host	20
Distance	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)	Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Smart event				Browser	IE		
General IVS Analytics		Tripwire; intrusion				Chrome Firefox	
Video						Management Software	Smart PSS; DSS; DMSS
Video Compression		H.265; H.264; H.264B; MJPEG				Mobile Phone	IOS; Android
Smart Codec		Yes				Certification	
Video Frame Rate		Main stream: 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

Lite Series | DH-IPC-HFW2531S-S-S2

Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 5.6W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH

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

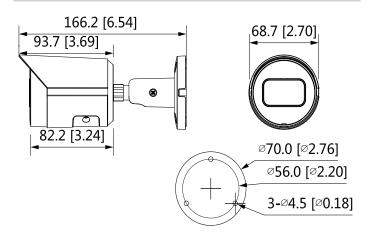
Structure

Casing	Metal
Dimensions	166.2 mm × Φ70 mm (6.54" × Φ2.76")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.57 kg (1.3 lb)

Ordering Information					
Туре	Part Number	Description			
5MP Camera	DH-IPC- HFW2531SP-S-S2	5MP Lite IR Fixed-focal Bullet Network Camera,PAL			
Sivii Camera	DH-IPC- HFW2531SN-S-S2	5MP Lite IR Fixed-focal Bullet Network Camera,NTSC			
	PFA134	Junction Box			
	PFA152-E	Pole Mount			
Accessories	PFM321D	DC12V1A Power Adapter			
(optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender			
	PFM900-E	Integrated Mount Tester			
	PFM114	TLC SD Card			

Junction Mount Pole Mount PFA134+PFA152-E PFA134 **0**

Dimensions (mm[inch])



Accessories

Optional:



PFA134 Junction Box



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



PFA152-E Pole Mount



PFM900-E Integrated Mount Tester



PFM321D DC12V1A Power Adapter



PFM114 TLC SD Card

