

DH-IPC-HDBW2230E-S-S2

2MP IR Mini Dome 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 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, 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
- 12V DC/PoE power support
- IP67, IK10 protection grade













System Overview

With updraded 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 and tamper-proof function, complying to the standards of IP67 and IK10.

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, IK10, 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.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 m (Impact energy is 20J).

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				Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF			
Camera						Resolution	(352 × 288/352 × 240)	
Image Sensor		1/2.7" 2Megapixel progressive 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 Shutter Speed		Auto/Manual 1/3 s–1/100000 s					WDR	DWDR
Min. Illumination		0.005 Lux @ F1.6					White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
IR Distance		30 m (98.43 ft)					Gain Control	Auto/Manual
IR On/Off Control		Auto/Manual					Noise Reduction	3D DNR
IR LEDs Number		3					Motion Detection	OFF/ON (4 areas, rectangular)
Pan/Tilt/Rotation Range		Pan: 0°–355° Tilt: 0°–65°					Region of Interest(RoI)	Yes (4 areas)
Long		Rotation: 0°–355°					Smart IR	Yes
Lens Type		Fixed-focal					Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower.)
Mount Type		M12					Mirror	Yes
Focal Length		2.8 mm					Privacy Masking	4 areas
Max. Aperture		F1.6	3.6 mm				Network	
·		2.8 mm:					Network	RJ-45 (10/100 Base-T)
Field of View		Pan: 110.0° Tilt: 59.0° Diagonal: 132.0° 3.6 mm:					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
		Pan: 91.0° Tilt: 48.0° Diagonal: 109.0°					Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
Iris Type		Fixed aperture					User/Host	20
Close Focus Distance		2.8 mm: 0.6 m (1.97 ft) 3.6 mm: 1.1 m (3.61 ft)					Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
	Lens 2.8 mm	Detect 37.3 m	Observe 14.9 m	Recognize 7.5 m	Identify 3.7 m		Browser	IE Chrome Firefox
DORI Distance	2.0 111111	(122.38 ft) 53.3 m	(48.88 ft) 21.3 m	(24.61 ft) 10.7 m	(12.14 ft) 5.3 m		Management Software	Smart PSS; DSS; DMSS
	3.6 mm	(174.87 ft)	(69.88 ft)	(35.10 ft)	(17.39 ft)		Mobile Phone	IOS; Android
Smart Event							Certification	
General IVS Analytics		Tripwire; intrusion						CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
Video							Certifications	
Video Compression		H.265; H.264; H.264B; MJPEG					Davis	UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Smart Codec		Yes					Power	42V.DC/D F 1002.2 0
Video Frame Rate		Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25fps)					Power Supply	12V DC/PoE (802.3af)
							Power Consumption	<5W
		704 × 480 (1 fps-30fps)					Environment	409C to 1009C / 409F to 1440F th
Stream Capability		2 streams					Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH

Lite Series | DH-IPC-HDBW2230E-S-S2

Strorage Conditions	-40°C to +60°C (-40°F to +140°F)		
Protection Grade	IP67, IK10		
Structure			
Casing	Metal		
Dimensions	81 mm × Φ109.9 mm (3.19" × Φ4.33")		

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Dimensions	81 mm × Φ109.9 mm (3.19" × Φ4.33")
Net Weight	0.350 kg (0.77 lb)
Gross Weight	0.481 kg (1.06 lb)

Ordering Information					
Туре	Part Number	Description			
2MP	DH-IPC-HDBW2230EP-S-S2	2MP IR Mini Dome Network Camera,PAL			
Camera	DH-IPC-HDBW2230EN-S-S2	2MP IR Mini Dome Network Camera,NTSC			
	PFA136	Junction Box			
	PFA200W	Rain Shade			
	PFB203W	Wall Mount			
	PFA152-E	Pole Mount			
	PFA106	Mount Adapter			
Accessories (optional)	PFB220C	Celling Mount			
	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:



PFA136 Junction Box



PFA152-E Pole Mount



PFA200W Rain Shade



PFA106 Mount Adapter



PFB203W Wall Mount



PFB220C Celling Mount



PFM321D DC12V1A Power Adapter



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



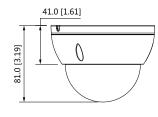
PFM900-E Integrated Mount Tester

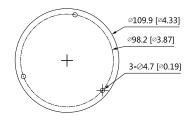


PFM114 TLC SD Card

Junction Mount	Wall Mount	Wall Mount	Pole Mount
PFA136	PFA136+PFA200W	PFB203W	PFB203W+PFA152-E
Ceiling Mount			
PFA106+PFB220C			

Dimensions (mm[inch])





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