

DH-IPC-HDBW5241R-ASE-NI

2MP Pro AI Full-color Fixed-focal Dome Network Camera



- \cdot 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @30 fps
- H.265 codec, high compression rate, low bit rate
- 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: Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human), abandoned object, missing object, loitering detection, people gathering, parking detection, heat map, and face detection.
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: 1 in, 1 out; Audio: 1 in, 1 out; supports max. 256 G Micro SD card
- 12V DC/PoE power support
- ePoE for remote transmission
- IP67, IK10 protection



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.

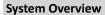
ePoE

Dahua ePoE technology provides a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

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 cm (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.



With starlight solution and deep learning algorithm, Dahua Pro AI series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The series camera supports dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10 (Supported by some select models).

Functions

Face Detection

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

People Counting

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.



Pro Al Series | DH-IPC-HDBW5241R-ASE-NI

Technical Specification

Camera

Image Sensor	1/2.8"2Megapixel progressive CMOS
Effective Pixels	1920 (H) × 1080 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Min. Illumination	0.001 Lux @F1.0
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°

Lens

Lens Type		Fixed-focal			
Mount Type		M16			
Focal Length		3.6 mm			
Max. Aperture		F1.0			
Field of View		Horizontal: 88° Vertical: 47° Diagonal: 105°			
Iris Type		Fixed			
Close Focus Dist	ance	1.7 m (5.6 ft)	1		
	Lens	Detect	Observe	Recognize	Identify
DORI Distance 3.6	3.6mm	55.2 m (181.1 ft)	22.1m (72.5 ft)	11.0m (36.1ft)	5.5m (18.0ft)

Intelligent Search

Video Compression

Video

Smart Event				
IVS	Abandoned object; missing object			
Heat Map	Yes			
Professional, intelligent				
IVS (Perimeter Protection)	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection			
Face Detection	Face detection; track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face matting setting: Face, single inch photo, half length, full length; three snapshot methods: Real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting			
People Counting	Support the counting of enter number and leave number, 4 rules configuration, and displaying and outputting yearly/monthly/weekly/daily reports. Support the counting of number in area , and 4 rules configuration. Support queue management, and 4 rules configuration. Count number of peole or strand time and link alarm.			

event videos.

Work together with Smart NVR to perform refine intelligent search, event extraction and merging to

H.265; H.264; H.264H; H.264B; MJPEG

Smart Codec	Yes
Video Frame Rate	Main stream: 1080p (1–25/30 fps) Sub stream: D1 (1–25/30 fps) The third stream: 1080p (1–25/30 fps)
Stream Capability	3 streams
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (354 × 288/354 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 19 kbps–8192 kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation	Yes
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas)
Region of Interest (RoI)	Yes (4 areas)
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Audio Compression	G.711a; G.711Mu; G.726; AAC; G.723
Network	
Network	RJ-45 (10/100 Base-T)
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; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
User/Host	20 (Total bandwidth: 80 M.)
Edge Storage	Dahua cloud; FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE8 and later Chrome Firefox Safari: Safar12 and later
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
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

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Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channels in: 5mA 3V–5V DC
Alarm Output	1 channels out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<3.8W
Environment	
Operating Temperature	-40°C to +60°C (-40°F to +140°F)/Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67; IK10
Structure	
Casing	Metal
Dimensions	Φ122.0 mm × 88.9 mm (4.80" × 3.50")
Net Weight	453g (1.00 lb)
Gross Weight	630g (1.39 lb)



Junction box

PFA152-E

Pole Mount

-2

Optional:





Inceiling Mount

PFA106

Mount Adapter



PFB220C

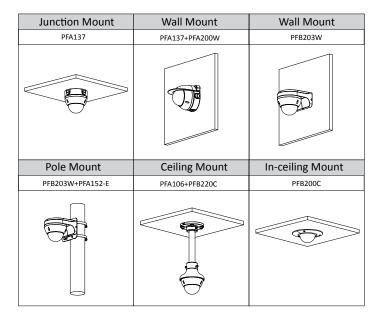
Ceiling Mount



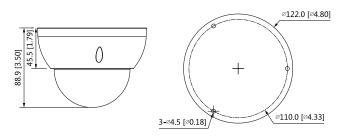
Wall Mount



LR1002 ePoE Over Coax Converter



Dimensions (mm[inch])





Part Number Туре Description 2MP Pro Al Full-color Fixed-focal Dome DH-IPC-

Ordering Information

2MP camera	HDBW5241RP-ASE- NI-0360B	Network Camera PAL
	DH-IPC- HDBW5241RN- ASE-NI-0360B	2MP Pro AI Full-color Fixed-focal Dome Network Camera NTSC
Accessories (optional)	PFA137	Junction box
	PFB200C	Inceiling Mount
	PFA200W	Rain Shade
	PFB203W	Wall Mount
	PFA152-E	Pole Mount
	PFA106	Mount Adapter
	PFB220C	Ceiling Mount