



DH-IPC-HF71242F 12MP Box WizMind Network Camera





Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

Series Overview

With advanced deep learning algorithm, Dahua WizMind 7 Series network camera supports various intelligent functions and satisfies the requirements in different scenes. The camera can accurately recognize person, vehicle, and non-motor vehicle, face, ANPR, and liveness. This series camera has ultra starlight night version effect, and works with ultra-low stream. It supports dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10 (Supported by some select models).

Functions

Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

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.

ANPR

With high-performance GPU chip, deep learning algorithm, and lots of sample training learning, Dahua ANPR technology can automatically collect and recognize the vehicle information, including license plate, logo, vehicle type, and vehicle color.

- · 12MP 1/1.7" CMOS image sensor, high image definition
- · Outputs max. 12MP (4000 × 3000) @25/30 fps
- \cdot H.265 codec, high compression rate, ultra-low bit rate
- · Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking
- ROI, SVC, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Perimeter Protection , Face Detection , Video Metadata , ANPR , People Counting , Queue Management
- · Alarm: 2 in, 2 out; audio: 2 in, 1 out; RS-485; BNC; supports max. 256 G SD card
- · 24V AC/12V DC/PoE power supply; 12V DC power output, max. current 165mA; easy for installation.
- \cdot Five streams for three-channel HD video



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.

Queue Management

With advanced image processing technology and deep leaning algorithm, Dahua Queue Management technology counts people quantity in selected area in real time to realize queue management. It supports multiple polygon areas. When No. in area/strand time is not smaller or not larger than the threshold, it triggers alarm.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.



Wiz Mind | DH-IPC-HF71242F

Technical Specification

Camera

Image Sensor1/1.7°12Megapikel progressive CMOSMax. Resolution4000 (H) × 3000 (V)ROM4 GBRAM2 GBScanning SystemProgressiveElectronic Shutter SpeedAuto/Manual 1/3 s-1/100.000 sMin. Illumination0.01 Lux @F1.8S/N Ratio> 56 dBLensManual vari focalMount TypeC/CSMount TypeAutoSmart eventVolTysMandoned object; missing objectNy GPerimeter ProtectionSupport three functionsNys (Perimeter Protection)Sprifere intrusion; fast moving (the three functions support the classification and accurate defection; people gathering; parking detection; scales, edigs, support the classification and scales, ediged, support tripuire number counting, people counting in setting; scales, subject and times, spatch, diggus, support tripuire number counting, people counting in setting setting; scales, subject and scales, ediged, support tripuire number counting, people counting in setting setting; scales, subject and scales, edigus, support tripuire number counting, people counting in stales, ender and subjuting monthy/daily reports. Support tripuire number counting, people counting in stales, ender and subjuting monthy/daily reports. support a tripuire scales, ender and subjuting and support	Camera	
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	Smart Codec	

Video Frame Rate	Main stream: 4000 × 3000 @1-25/30 fps Sub stream: 704 × 576 @1-25 fps; 704 × 480 @1-30 fps Third stream: 1920 × 1080 @1-25/30 fps Fourth stream: 1920 × 1080 @1-25/30 fps Fifth stream: 704 × 576 @1-25 fps; 704 × 480@1-30 fps
Stream Capability	5 streams
Resolution	12M (4000 × 3000); 8M (3840 × 2160); 6M (3072 × 2048); 5M (3072 × 1728); 5M (2592 × 1944); 4M (2688 × 1520); 3M (2048 × 1536); 3M (2304 × 1296); 2M (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps-16384 kbps H.265: 32 kbps-14080 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
DWDR	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, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Audio Compression	G.711A; G.711Mu; G.726; AAC; G.723
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; defocus detection; external alarm; face detection; video metadata; ANPR; people counting in area; stay alarm; people counting; people counting exception detection; queue management;safety exception
Network	
Network	RJ-45 (10/100/1000 Base-T)
SDK and API	Yes
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

Wiz Mind | DH-IPC-HF71242F

Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP
User/Host	20 (Total bandwidth: 12 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS;Dahua Cloud
Browser	IE: IE9 and later Chrome: Chrome 42 and later Firefox: Firefox 48.0.2 and later
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	CE-LVD: EN62368-1 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
Port	
RS-485	1 (baud rate range: 1200 bps-115200 bps)
Audio Input	2 channels (3.5mm JACK port)
Audio Output	1 channel (3.5mm JACK port)
Alarm Input	2 channels in: 5mA 3V–5V DC
Alarm Output	2 channels out: 1,000mA 30V DC/500mA 50V DC
Power	
Power Supply	12V DC/24V AC/POE (802.3af)
Power Consumption	<12.7W
Environment	
Operating Conditions	-30°C to +60°C (-22°F to +140°F)
Storage Conditions	-30°C to +60°C (-22°F to +140°F)
Structure	
Casing	Metal
Dimensions	86 mm × 74 mm × 150 mm (3.39" ×2.91" ×5.91") (L × W × H)
Net Weight	780 g (1.72 lb)
Gross Weight	918 g (2.02 lb)

Ordering Information

Туре	Part Number	Description
12MP Camera	DH-IPC-HF71242FP	12MP WizMind 7 Series Box Network Camera, PAL
	DH-IPC-HF71242FN	12MP WizMind 7 Series Box Network Camera, NTSC
	IPC-HF71242FP	12MP WizMind 7 Series Box Network Camera, PAL
	IPC-HF71242FN	12MP WizMind 7 Series Box Network Camera, NTSC

Accessories (optional)	PFB110W	Ceiling Mount
	PFB121W	Wall Mount

Accessories

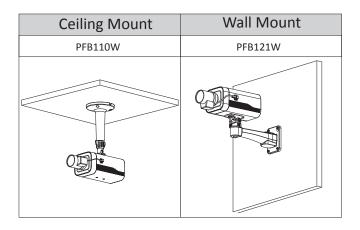
Optional:



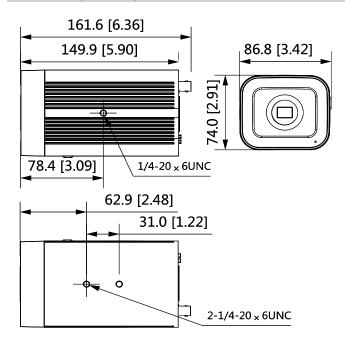


PFB110W Ceiling Mount

PFB121W Wall Mount



Dimensions (mm/inch)



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