



DH-IPC-HDBW71242H-Z

12MP IR Dome 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
- H.265 codec, high compression rate, ultra-low bit rate
- · Built-in IR LED, max. IR distance: 40 m
- · Rotation mode, DWDR, 3D NR, 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: 3 in, 2 out; audio: 1 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.
- · IP67, IK10 protection
- · 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 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.



Technical Specification							Support tripwire number counting, people counting in area, and displaying and outputting yearly/monthly/daily reports. Support queue management, and displaying and outputting monthly/daily reports. Support 4 tripwire rules configuration, people counting in 4 areas, and 4 queue management functions.
Camera							
Image Sensor		1/1.7"12Megapixel progressive CMOS				People Counting	
Max. Resolution		4000 (H) × 3000 (V)					
ROM		4 GB					Vehicle detection, non-motor vehicle detection, face detection, human body detection, track, optimization, snapshot, report high quality picture, vehicle attributes (license plate, vehicle type, vehicle color, and vehicle
RAM		2 GB					
Scanning System		Progressive				Video Metadata	brand), other attributes (sun visor, seatbelt, smoking, phoning, in-car accessories, and annual vehicle inspection mark), non-motor vehicle attributes (vehicle type, vehicle color, hat, driver number, cloth type, and cloth color), personnel attribute (cloth type, trousers type, cloth color, trousers color, knapsack, hat, gender and umbrella), face attribute (gender, age,
Electronic Shutter Speed		Auto/Manua	al 1/3 s–1/100,	,000 s			
Min. Illumination		0.01 Lux @F	1.8				
S/N Ratio		>56 dB					expression, glasses, mask, and beard)
Illumination Distance		40m (131.2 ft) (IR LED)				Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.
Illuminator On/Off Control		Auto/Manual				Video	
Illuminator Nu	mber	3 (IR LEDs)				Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Pan/Tilt/Rotat	Pan/Tilt/Rotation Range		-355°			Smart Codec	Smart H.264+ Smart H.265+
Lens							Main stream: 4000 × 3000 @1-25/30 fps
Lens Type		Motorized vari-focal				Video Frame Rate	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
Mount Type		ф14					Fifth stream: 704 × 576 @1-25 fps; 704 × 480 @1-30 fps
Focal Length		2.7 mm-12 mm				Stream Capability	5 streams
Max. Aperture Field of View		F1.8 Horizontal: 103°–44° Vertical: 75°–33° Diagonal: 135°–55°				Resolution	$12M \ (4000 \times 3000); 8M \ (3840 \times 2160); 6M \ (3072 \times 2048); 5M \ (3072 \times 1728); 5M \ (2592 \times 1944); 4M \ (2688 \times 1520); 3M \ (2048 \times 1536); 3M \ (2304 \times 1296); 2M \ (1920 \times 1080); 1.3M \ (1280 \times 960); 720P \ (1280 \times 720); D1 \ (704 \times 576/704 \times 480); CIF \ (352 \times 288/352 \times 240); VGA \ (640 \times 480)$
Iris Type		Auto				Bit Rate Control	CBR/VBR
Close Focus Di	stance	1.2 m (3.9 ft)			Video Bit Rate	H.264: 32 kbps–16384 kbps
	Lens	Detect	Observe	Recognize	Identify	Day/Night	H.265: 32 kbps–14080 kbps Auto (ICR)/Color/B/W
DORI Distance	W	97 m (318.2 ft)	38 m (124.7 ft)	19 m (62.3 ft)	9 m (29.5 ft)	BLC	Yes
	Т	205 m (672.6 ft)	82 m (269.0 ft)	41 m (134.5 ft)	20 m (65.6 ft)	HLC	Yes
Smart event		(072.011) (203.011) (134.311) (0.		(03.011)	DWDR	Yes	
IVS Abandoned object; missing			g obiect			Auto/natural/street lamp/outdoor/manual/regional	
	l intelligent	Abandoned object, missing object				White Balance	custom
110103310114	Professional, intelligent					Gain Control	Auto/Manual
		Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection				Noise Reduction	3D NR
IVS (Perimeter Protection)						Motion Detection	OFF/ON (4 areas, rectangular)
				Region of Interest (RoI)	Yes (4 areas)		
				mization; snap ure; face attrib		Smart Illumination	Yes
Face Detection		6 attributes	and 8 express	ions: Gender, a nappiness, sad	age, glasses,	Defog	Yes
		surprise, co	nfusion and fea	ar), mask, bear		Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
		quality prior	ity; face angle	not, optimizati filter; optimiz	ation time	Mirror	Yes
		setting; Sup	port Duration	Optimal, Non-l	iving Filtering	Privacy Masking	4 areas

Audio Compression G		
	G.711A; G.711Mu; G.726; AAC; G.723	
Alarm		
d d n Alarm Event d d n p	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; voltage 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 R	RJ-45 (10/100/1000 Base-T)	
SDK and API	Yes	
Protocol R C	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; Bonjour	
	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P;RTMP	
User/Host 2	20 (Total bandwidth: 240 M)	
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS;Dahua Cloud	
	IE: IE9 and later Chrome: Chrome 42 and later Firefox: Firefox 48.0.2 and later	
Browser C	Chrome: Chrome 42 and later	
Browser C	Chrome: Chrome 42 and later	
Browser C F Management Software S	Chrome: Chrome 42 and later Firefox: Firefox 48.0.2 and later	
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Structure

Casing	Metal + plastic
Dimensions	129.1 mm × Φ157.9 mm (5.08" × Φ6.22")
Net Weight	1500 g (3.31 lb)
Gross Weight	1600 g (3.53 lb)

Ordering Information					
Туре	Part Number	Description			
	DH-IPC- HDBW71242HP-Z- 2712-DC12AC24V	12MP WizMind 7 Series IR Dome Network Camera, PAL			
12MP	DH-IPC- HDBW71242HN-Z- 2712-DC12AC24V	12MP WizMind 7 Series IR Dome Network Camera, NTSC			
Camera	IPC-HDBW71242HP-Z- 2712-DC12AC24V	12MP WizMind 7 Series IR Dome Network Camera, PAL			
	IPC-HDBW71242HN-Z- 2712-DC12AC24V	12MP WizMind 7 Series IR Dome Network Camera, NTSC			
	PFA773	Wall Mount			
Accessories (optional)	PFB300C	Ceiling Mount			
	PFA152-E	Pole Mount			

Accessories

Optional:







PFB300C Ceiling Mount



PFA152-E Pole Mount

Ceiling Mount	Ceiling Mount	Pole Mount
	PFB300C+PFA101	PFB210W+PFA152-E
Wall Mount	Wall Mount	Wall Mount
PFA773	PFB210W(OUTDOOR)	PFB210W(INDOOR)

Dimensions (mm[inch])



