

DH-IPC-PDW5849-A180-E2-ASTE

2×4MP Full-color Duo Splicing 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 starlight solution and deep learning algorithm, Dahua WizMind 5 Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis.

Functions

EPTZ

With advanced target detection and tracking algorithms, Dahua EPTZ technology can simultaneously zoom in and track multiple humans and vehicles that trigger alarms. It provides rich details and a panoramic view at the same time.

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/daily reports to meet your requirements.

- Outputs 180° wide angle splicing image.
- Outputs max. 8 MP (4096 × 1800)@25 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, and the max. illumination distance is 40 m.
- ROI, SMART H.264 +/H.265+, AI H.264/H.265, flexible coding, applicable to various bandwidth and storage environments.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 512 G Micro SD card, built-in Mic and speaker, support two-way talk.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.
- EPTZ: Enlarge and track the targets of intelligent alarms.
- · SMD.













ePoE

Dahua's innovative ePoE technology offers a new solution to transmit power and data over long distances between cameras and network switch, allowing more flexible design of surveillance system, improving reliability, reducing installation time and saving money. ePoE technology encompasses pure network systems where a single CAT6 cable can carry signals up to 300 m (984 ft) at 100 Mbps, 800 m (2625 ft) at 10 Mbps.

Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

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 ±30% (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical	Specification	on				Smart Codec	Smart H.265+; Smart H.264+
Camera			AI Coding	AI H.265; AI H.264			
Image Sensor Max. Resolution ROM RAM Scanning System		Dual 1/1.8" CMOS 4096 (H) × 1800 (V) 128 MB 1 GB Progressive				Video Frame Rate	WDR Off: Main stream: $4096 \times 1800 @ (1-25 \text{ fps})$ sub stream: $1024 \times 452 @ (1-25 \text{ fps})$ third stream: $1920 \times 832 @ (1-25 \text{ fps})$ WDR On: Main stream: $4096 \times 1800 @ (1-20 \text{ fps})$ sub stream: $1024 \times 452 @ (1-20 \text{ fps})$ third stream: $1920 \times 832 @ (1-20 \text{ fps})$ *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s			Chucana Canabilitu	to the total encoding capacity.	
Min. Illumination		0.0005 lux@F1.0 (Color, 30 IRE) 0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Stream Capability Resolution	3 streams 8M (4096 × 1800); 6.5M (3840 × 1680); 4M (3840 × 1080); 4M (2880 × 1264); 1.6M (1920 × 832); 0.7M (1280 × 560); 0.5M (1024 × 452)
S/N Ratio		>56 dB			Bit Rate Control	CBR/VBR	
Illumination	Distance	40 m (131.23 ft)			Video Bit Rate	H.264: 9 kbps=8192 kbps	
Illuminator C	On/Off Control	Auto			- 6	H.265: 9 kbps-8192 kbps	
Illuminator N	lumber	4 (Warm light	:)			Day/Night	Color/B/W
Pan/Tilt/Rota	ation Range	Pan: 0°-360° Tilt: 4°-90°				BLC	Yes
Laura		Rotation: 0°–360°			HLC	Yes	
Lens					WDR	140 dB	
Lens Type Lens Mount		Fixed-focal M16			Scene Self-adaptation (SSA)	Yes	
	Focal Length		3.6 mm			White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Field of View		H: 180°±10° V: 48°			Gain Control	Auto	
Max. Apertu	re	F1.0			Noise Reduction	3D NR	
Iris Control		Fixed			Motion Detection	OFF/ON (4 areas, rectangular)	
Close Focus I	Distance	3.6 m (11.81 ft)			Region of Interest (RoI)	Yes (4 areas)	
0.004	Lens	Detect	Observe	Recognize	Identify	Privacy Masking	4 areas
DORI Distance	3.6 mm	70.3 m	28.1 m	14.1 m	7.0 m	Defog	Yes
Intelligen		(230.64 ft)	(92.19 ft)	(46.26 ft)	(22.97 ft)	Audio	
intelligent	Le					Built-in MIC	Yes
IV.C (Davins at	ou Ductoction)	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection			Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723	
ivs (Perimeti	er Protection)				Alarm		
Heat Map	Heat Map		Yes				No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast
Smart Object Detection		Smart abandoned object; smart missing object Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports.			Alarm Event	moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; SMD; people counting in area; stay detection; people counting; security exception	
People Counting		Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration.			Network		
					Network Port	RJ-45 (10/100 Base-T)	
Video		Count number of people or stay time and link alarm.			ilik alarm.	SDK and API	Yes
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)			Cyber Security	Video encryption; Firmware encryption; Configuration encryption; Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification; syslog; HTTPS; 802.1x; Trusted boot; Trusted	
							execution; Trusted upgrade

Network Protocol	IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; Bonjour	
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone	
User/Host	20 (Total bandwidth: 80 M)	
Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS	
Browser	IE: IE 8 and later Chrome Firefox	
Management Software	Smart PSS; DSS; DMSS	
Mobile Client	iOS; Android	
Certification		
	CE-LVD: EN62368-1	

CE-E Certifications 2014 FCC:	VD: EN62368-1 MC: Electromagnetic Compatibility Directive #/30/EU 47 CFR FCC Part 15, Subpart B IUI: 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: 5 mA 3 V–5 VDC	
Alarm Output	1 channel out: 300 mA 12 VDC	

Power

Power Supply	12 VDC (±30%)/PoE+ (802.3at)/ePoE
Power Consumption	Basic: 4.8 W (12 VDC); 5.5 W (PoE) Max. (WDR + intelligence + warm light + SPK): 10.5W (12 VDC); 11.8 W (PoE)

Environment

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)		
Operating Humidity	≤95%		
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)		
Protection	IP67		

Structure

Casing	Metal	
Product Dimensions	Φ122 mm × 131.9 mm (Φ4.80" × 5.19")	
Net Weight	990 g (2.18 lb)	
Gross Weight	1150 g (2.54 lb)	

Ordering Information				
Туре	Model	Description		
ONAD Comovo	DH-IPC-PDW5849P-A180- E2-ASTE	2×4MP Full-Color Duo Splicing WizMind Network CAMERA, PAL		
8MP Camera	IPC-PDW5849P-A180-E2- ASTE	2×4MP Full-Color Duo Splicing WizMind Network CAMERA, PAL		
	PFA137	Junction Box		
	PFB203W	Wall Mount Bracket		
	PFB220C	Ceiling Mount Bracket		
Accessories	PFA106	Mount Adapter		
(Optional)	PFA152-E	Pole Mount Bracket		
	PFM900-E	Integrated Mount Tester		
	TF-P100	MicroSD Memory Card		
	PFM321D	12 VDC 1A Power Adapter		

Accessories

Optional:







PFB203W Wall Mount Bracket



PFB220C Ceiling Mount Bracket



PFA106 Mount Adapter



PFA152-E Pole Mount Bracket



PFM900-E Integrated Mount Tester

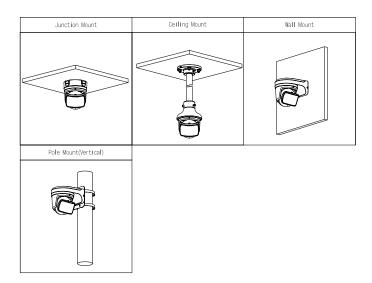


TF-P100 MicroSD Memory Card



PFM321D 12V DC 1A Power Adapter





Dimensions (mm[inch])

