



DH-IPC-PFW5849-A180-E2-ASTE

2×4MP Full-Color Dual-Lens 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.
- · Intelligent monitoring: Intrusion, tripwire, heat map, and people
- 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						WDR Off:
Camera				Main stream: 4096 × 1800 @ (1–25 fps) sub stream: 1024 × 452 @ (1–25 fps)				
Image Sensor		Dual 1/1.8" CMOS					Video Frame Rate	third stream: $1920 \times 832 \ @ \ (1-25 \ fps)$ WDR On: Main stream: $4096 \times 1800 \ @ \ (1-20 \ fps)$ sub stream: $1024 \times 452 \ @ \ (1-20 \ fps)$ third stream: $1920 \times 832 \ @ \ (1-20 \ fps)$ *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected
Max. Resolution		4096 (H) × 1800 (V)				video France Nate		
ROM		128 MB						
RAM		1 GB					Stream Capability	to the total encoding capacity. 3 streams
Scanning Sys	stem	Progressive					Stream Capability	8M (4096 × 1800); 6.5M (3840 × 1680); 4M (3840 ×
Electronic Sł	Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s				Resolution	1080); 4M (2880 × 1264); 1.6M (1920 × 832); 0.7M (1280 × 560); 0.5M (1024 × 452)
Min. Illumin	ation	0.0005 lux@F1.0 (Color, 30 IRE)					Bit Rate Control	CBR/VBR
141111		0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)				Video Bit Rate	H.264: 9 kbps-8192 kbps H.265: 9 kbps-8192 kbps	
S/N Ratio		>56 dB					Day/Night	Color/B/W
Illumination	Distance	40 m (131.23	3 ft)				BLC	Yes
Illuminator (On/Off Control	Auto					HLC	Yes
Illuminator I	Number	4 (Warm light	t)				WDR	140 dB
Pan/Tilt/Rot	tation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				Scene Self-adaptation (SSA)	Yes	
Lens		notation, o 300				White Balance	Auto; natural; street lamp; outdoor; manual; regional custom	
Lens Type		Fixed-focal				Gain Control	Auto	
Lens Mount		M16				Noise Reduction	3D NR	
Focal Length	Focal Length		3.6 mm				Motion Detection	OFF/ON (4 areas, rectangular)
Field of Viev	V	Horizontal: 180°; Vertical: 48°				Region of Interest (RoI)	Yes (4 areas)	
Max. Apertu	ire	F1.0				Privacy Masking	4 areas	
Iris Control		Fixed				Defog	Yes	
Close Focus	Distance	3.6 m (11.81 ft)				Audio		
DORI	Lens	Detect	Observe	Recognize	Identify		Built-in MIC	Yes
Distance	3.6 mm	70.3 m (230.64 ft)	28.1 m (92.19 ft)	14.1 m (46.26 ft)	7.0 m (22.97 ft)		Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
Intelligen	ce						Alarm	
IVS (Perimet	IVS (Perimeter Protection)		Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection				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; voltage detection; external
Heat Map	Heat Map		Yes					alarm; SMD; people counting in area; stay detection; people counting; security exception
Smart Object	Smart Object Detection		Smart abandoned object; smart missing object				Network	
			Support the counting of enter number, leave number and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules				Network Port	RJ-45 (10/100 Base-T)
							SDK and API	Yes
People Counting		configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.					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
Video	Video				IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP;			
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)				Network Protocol	SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; Bonjour	

Wiz Mind | DH-IPC-PFW5849-A180-E2-ASTE

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	
Cartification		

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

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 + plastic
Product Dimensions	301.2 mm \times 128.2 mm \times 120.1 mm (11.86" \times 5.05" \times 4.73") (L \times W \times H)
Net Weight	1420 g (3.13 lb)
Gross Weight	1570 g (3.46 lb)

Ordering Information			
Туре	Model	Description	
SMD Comore	DH-IPC-PFW5849P-A180- E2-ASTE	2×4MP Full-Color Dual-Lens Splicing WizMind Network CAMERA, PAL	
8MP Camera	IPC-PFW5849P-A180-E2- ASTE	2×4MP Full-Color Dual-Lens Splicing WizMind Network CAMERA, PAL	
	PFA5300R	Junction Box	
	PFA157	Pole Mount Bracket	
Accessories (Optional)	PFM900-E	Integrated Mount Tester	
	TF-P100	MicroSD Memory Card	
	PFM321D	12 VDC 1A Power Adapter	

Accessories

Optional:







PFA5300R Junction Box

Pole Mount Bracket

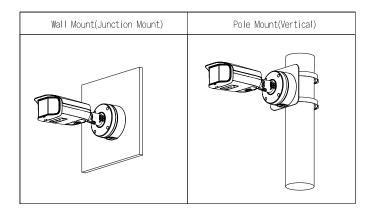
PFM900-E Integrated Mount Tester







PFM321D 12V DC 1A Power Adapter



Dimensions (mm[inch])

