



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 4.0.













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.

Came									
Camera	Technical	Specification	on						
Max. Repollution						sub stream: 1024 × 452 @ (1–25 fps)			
Max	Image Sensor		Dual 1/1.8" CMOS					Video Frame Rate	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
ROM	Max. Resolution		4096 (H) × 1800 (V)						
Stream Capability	ROM		128 MB						
	RAM		1 GB						
Resolution	Scanning Sys	tem	Progressive				Stream Capability	3 streams	
Min.	Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s				Resolution	1080); 4M (2880 × 1264); 1.6M (1920 × 832); 0.7M (1280	
Solid illuminator on John			0.0005 lux@F1.0 (Color, 30 IRE)				D. D. C		
S/N Ratio	Min. Illumina	ntion	0.0002 lux@F1.0 (B/W, 30 IRE)				Bit Rate Control		
BLC Yes	S/N Ratio						Video Bit Rate		
HILC Yes	Illumination	Distance					Day/Night	Color/B/W	
Pan/Tilt/Rotation Range Panc 10-360" Till: 07-30" Till: 07-30" Rotation: 07-360" Rotation: 07-3	Illuminator C	n/Off Control	Auto					BLC	Yes
Fand Till / Rotation Range Rotation: 0"-360" Rotation: 0"-360" Scene Self-adaptation (SSA) Yes	Illuminator N	lumber	4 (Warm light	i)				HLC	Yes
Lens Verse Scene Self-adaptation (SSA) White Balance Custom (SSA) White Balance Custom CSA) White Balance Custom Auto; natural; street lamp; outdoor; manual; regional custom CSA) White Balance Custom Auto Custom Auto Custom Size of Custom Course Record Custom Size of Custom Course Record Custom Size of Custom Size of Case Accusing Case Auto; natural; street lamp; outdoor; manual; regional Custom CSA) Noise Reduction 3D NR Field of View Horizontal: 180°; Vertical: 48° Motion Detection OFF/ON (4 areas; rectangular) Max. Aperture F1.0 Region of Interest (Roi) Ves (4 areas) First Control Fixed Privacy Masking 4 areas Close Focus Distance 3.6 m (11.81 ft) Privacy Masking 4 areas Close Focus Distance 3.6 m (11.81 ft) Privacy Masking 4 areas Defog Ves Audio Close Focus Distance 3.6 m (12.81 ft) (46.26 ft) (22.97 ft) Self-time MIC Ves Audio Compression G.711s; G.711mu; PCM; G.726; G.723 Smart Event INS Abandoned object; missing object Audio Compression G.711s; G.711mu; PCM; G.726; G.723 Alarm No SD card; SD card full; SD card error; network disconnection; iP conflict, llegal access; motion of detection, people gathering, and parking detection, seeple case changing, auto detection, octernal algority of the classification and accurate detection on people gathering, and parking detection; people gathering, and parking detection of people gathering, and parking detection; people gathering, and parking detection of people counting in area, penerating and exporting report (day/month); A rules can be set for tripovire, people counting in area and queue management, generating and exporting report (day/month); A rules can be set for tripovire, people counting in generating and exporting report (day/month); A rules can be set for tripovire, people counting in generation and importing of X-SO) certification; syslege, HTPS 802.1s, Trusted boot; Trusted upgrade Video Compression H.266; H.264; H.2648; M.PEG (Only supported)	Pan/Tilt/Pot	ation Pango						WDR	140 dB
Lens Type Fixed-focal Mite Balance Auto, natural; street lamp; outdoor; manual; regional custom Auto Aut								Yes	
Focal Length Field of View Horizontal: 180°; Vertical: 48° Motion Detection OFF/ON (4 areas, rectangular) Motion Detection OFF/ON (4 areas, rectangular) Wes (4 areas) Privacy Masking 4 areas Close Focus Distance 3.6 m (11.81 ft) Defig Yes Lens Detect Observe Recognize Identify Jostance			Fixed-focal				White Balance		
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Heat Map Yes Professional, intelligent Alarm Event Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection) of vehicle and human); loitering detection, people gathering, and parking detection where functions and experiting and exporting report (day/month); 4 rules can be set for tripwire, people counting in area and queue management Video Alarm Event A	Smart Eve	ent	(230.04 It) (32.13 It) (40.20 It) (22.37 It)			Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723		
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People Counting generating and exporting report (day/month/year); queue management, generating and exporting report (day/month); 4 rules can be set for tripwire, people counting in area and queue management Video Video Wideo Compression Tripwire people counting in area, generating and exporting report (day/month); 4 rules can be set for tripwire, people counting in area and queue management 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									RJ-45 (10/100 Base-T)
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Cyber Security Video Lace The Lace Th	reopie Counting								
Video Compression H.265; H.264; H.264B; MJPEG (Only supported	Video		Counting in area and queue management					encryption; Digest; WSSE; Account lockout; Security logs; IP/MAC filtering; Generation and importing of X.509 certification; syslog; HTTPS; 802.1x; Trusted boot; Trusted	
	Video Compi	Video Compression H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)			nly supported			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-EMC: Electromagnetic Compatibility Directive
Certifications	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	
OMD Communication	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:







PFA157 Pole Mount Bracket



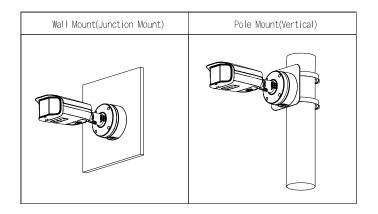
PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card



PFM321D 12V DC 1A Power Adapter



Dimensions (mm[inch])

