



# DH-IPC-EW5541-AS

### 5MP WizMind IR Fisheye 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 fisheye lens, Dahua Fisheye series camera can realize 360° surveillance, and it is widely applied in various scenes such as airports, shopping centers, banks and hotels.

#### **Functions**

#### 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.

#### Heat Map

Duhua heat map technology is used to display the crowd density and people appearance probability. Display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

#### In Area No.

With advanced stereo image technology and deep leaning algorithm, Dahua In Area No. technology recognizes human targets accurately to count people in area in real-time. You can set people quantity threshold, when the number larger or smaller than the threshold, it triggers linkage. It is applicable in the scene that has limit on people quantity.

- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in efficient IR illuminator, and the max. illumination distance: 10 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- 120dB WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- · Intelligent detection: Intrusion, tripwire, people counting in area
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card. built-in Mic
- 12V DC/PoE power supply, easy for installation
- Heat map for people counting. You can adjust the number of people, time threshold to generate a heat map, which can be exported.













#### True WDF

With advanced Wide Dynamic Range (120dB WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

#### **Cyber Security**

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

#### Protection (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					Stream Capability	3 streams
Camera					5M (2592 × 1944); 3M (2048 × 1536); UXGA (1600 ×		
Image Sensor	1/2.7" 5Megapixel progressive CMOS				Resolution	1200); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
Max. Resolution	2592 (H) × 1944 (V)				Bit Rate Control	CBR/VBR	
ROM	128 MB				Video Bit Rate	H.264: 3 kbps–8192 kbps	
RAM	512 MB				Day/Night	H.265: 3 kbps–8192 kbps Auto (ICR)/Color/B/W	
Scanning System	Progressive				BLC	Yes	
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				HLC		
Min. Illumination	0.0006 Lux@	2.0 (Color, 30II F2.0 (B/W, 30I lator on)				WDR	Yes 120 dB
S/N Ratio	0 Lux (Illuminator on) > 56 dB				Scene Self-adaptation (SSA)	Yes	
Illumination Distance	10 m (32.8 ft)	)				White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Illuminator On/Off Control	Auto/Manua	I				Gain Control	Auto/Manual
Illuminator Number	3 (IR LED)	3 (IR LED)				Noise Reduction	3D DNR
Lens					Motion Detection	OFF/ON (4 areas)	
Lens Type	Fixed-focal				Region of Interest (RoI)	Yes (4 areas)	
Mount Type	M12				Smart Illumination	Yes	
Focal Length	1.4 mm				Privacy Masking	4 areas	
Max. Aperture	F2.0				Audio		
Field of View	Horizontal: 180° Vertical: 180°				Built-in MIC	Yes	
	Diagonal: 180°				Audio Compression	PCM; G.711a; G.711Mu; G726	
Iris Type	Fixed				Alarm	,,,	
Close Focus Distance	0.2 m (0.7 ft)						
DORI Distance	Detect	Observe	Recognize	Identify		life war disconn Alarm Event detection	No SD card; SD card full; SD card error; service life warning (supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external
DOM Distance	28 m (91.9 ft)	11.2 m (36.7 ft)	5.6 m (18.4 ft)	2.8 m (9.2 ft)			
Smart Event						alarm; people counting in area; stay alarm; people counting; people No. exception detection; safety	
Heat Map	Yes					exception	
Professional, intelligent				Network			
IVS (Perimeter Protection)	Tripwire; intrusion				SDK and API	Yes	
People Counting	Support people counting in area, and displaying and outputting yearly/monthly/daily reports (matching devices are needed); support people counting in 4 areas				Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP	
Work together with Smart NVR to perform refine intelligent Search event extraction and merging to event videos.				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 Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)					ONVIF (Profile S/Profile G/Profile T); CGI; Milestone;	
Smart Codec	Smart H.265+/ Smart H.264+				Interoperability	Genetec; P2P	
Video Frame Rate	Main stream (2592 × 1944 @1–25/30 fps)				User/Host	20 (Total bandwidth: 64 M)	
video i i aine Nate	sub stream (704 × 576 @1–25 fps/704 × 480 @1–30 fps) third stream (1280 × 720 @1–25/30 fps)				Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS	

## Wiz Mind | DH-IPC-EW5541-AS

Browser	IE: IE8, IE9 and IE11 Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	

UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07	Certification	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 channel in: 5mA 3V-5V DC Alarm Output 1 channel out: 300mA 12V DC

Power	
Power Supply	12V DC/PoE
Power Consumption	Basic power consumption: 3.6W (12V DC); 4.4W (PoE) Max. power consumption (H.265 + IR on+ intelligent function + WDR): 7.3W (12V DC); 8.8W (PoE)

Environment	
Operating Conditions	$-10^{\circ}$ C to +50°C (14°F to +122°F)/Less than 95% RH
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)

Structure	
Casing	Metal + plastic
Dimensions	44.6 mm × Φ126.2 mm (1.8" × Φ5.0")
Net Weight	299 g (0.7 lb)
Gross Weight	441 g (1.0 lb)

Ordering Information				
Туре	Model	Description		
5MP Camera	DH-IPC-EW5541P-AS	5MP WizMind IR Fisheye Network CAMERA, PAL		
	DH-IPC-EW5541N-AS	5MP WizMind IR Fisheye Network CAMERA, NTSC		
Accessories (Optional)	PFB203W	Wall Mount		
	PFB110W	Ceiling Mount		
	PFA152-E	Pole Mount		
	PFM321D	12V DC 1A Power Adapter		
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender		
	PFM900-E	Integrated Mount Tester		
	PFM114	TLC SD Card		

#### **Accessories**

#### **Optional**







PFA152-E

Pole Mount

PFB203W Wall Mount

PFB110W nt Ceiling Mount



PFM321D 12V DC/1A Power Adapter

LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender

PFM900-E Integrated Mount Tester

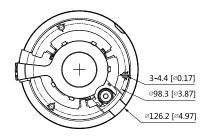


PFM114 TLC SD Card

Ceiling Mount	Wa <b>ll</b> Mount	Ceiling Mount
Pole Mount(Vertical)		

#### Dimensions (mm[inch])





Rev 001.001

© 2021 Dahua. All rights reserved. Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.