

## DH-IPC-HDBW4541RP-ZAS-X

5MP General Vandal-proof Dome Camera Network CAMERA





#### **Series Overview**

Powered by its advanced deep learning algorithms, Dahua WizMind 4 Series cameras are ahead of their time advancing functions such as perimeter protection, smart motion detection and face detection. With its Starlight sensors and large aperture lenses, cameras in this series deliver excellent image quality even in environments with low illuminance. This series is IP67-rated and IK10-rated (depending on the model) giving you the confidence and precision you are looking for in a camera.

- 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 5 MP (2592 × 1944) @25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, 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.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Supports the AFSA (Anti-flicker Self-adaption) function, which automatically eliminates flicker.
- Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).
- 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: 3 in, 2 out; audio: 1 in, 1 out; RS485, BNC, supports max. 256 G Micro SD card; built in MIC.
- 12 VDC/PoE power supply, easy for installation.
- IP67, IK10 protection.
- SMD 3.0.

Technical Specification							Smart Codec	Smart H.265+; Smart H.264+
Camera							AI Coding	AI H.265; AI H.264
Image Sensor		1/2.7" CMOS					Ü	Main stream: 2592 × 1944@(1–25/30 fps)
Max. Resolution		2592 (H) × 1944 (V)						sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)
ROM		128 MB				Video Frame Rate	third stream: 1920 × 1080@(1–25/30 fps) fourth stream: 1280 × 720@(1–25/30 fps) *The values above are the max. frame rates of each	
RAM		1 GB						stream; for multiple streams, the values will be subjected to the total encoding capacity.
Scanning System		Progressive					Stream Capability	4 streams
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s					Resolution	5M (2592 × 1944); 4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Min. Illumination		0.005 lux@F1.5 (Color, 30 IRE) 0.0005 lux@F1.5 (B/W, 30 IRE) 0 lux (Illuminator on)						
S/N Ratio		>56 dB					Bit Rate Control	CBR/VBR
Illumination Distance		40 m (131.2 ft) (IR)					Video Bit Rate	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps
Illuminator On/Off Control		Auto;Manual					Day/Night	Auto(ICR)/Color/B/W
Illuminator Number		3 (IR LED)					BLC	Yes
Angle Adjustment		Pan: 0°–355° Tilt: 0°–80°					HLC	Yes
1			Rotation: 0°–355°				WDR	120 dB
Lens Type		Motorized vari-focal					Scene Self-adaptation (SSA)	Yes
Lens Mount			ф14				White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Focal Length		2.7 mm-13.5 mm					Gain Control	Auto
Max. Aperture		F1.5					Noise Reduction	3D NR
Field of View		H: 99°-28°; V: 71°-21°; D: 134°-35°					Motion Detection	OFF/ON (4 areas, rectangular)
Iris Control		Fixed					Region of Interest (RoI)	Yes (4 areas)
Close Focus Distance		0.8 m (2.62 ft	)				Image Stabilization	Electronic Image Stabilization (EIS)
	Lens	Detect	Observe	Recognize	Identify		Smart Illumination	Yes
DORI Distance	W	64.0 m (209.97 ft)	25.6 m (83.98 ft)	12.8 m (41.99 ft)	6.4 m (21.00 ft)		Defog	Yes
Distance	Т	210.0 m (688.98 ft)	84.0 m (275.59 ft)	42.0 m (137.80 ft)	21.0 m (68.90 ft)		Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Intelligence							Mirror	Yes
IVS (Parimet	N/C (Davis and an David anti-		Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and				Privacy Masking	4 areas
IVS (Perimeter Protection)		human)					Audio	
SMD 3.0		Less false alarm, longer detection distance					Built-in MIC	Yes
Face Detection		Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle					Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723
							Alarm	
Smart Search		filter; optimization time setting  Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos					Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; defocus detection; external alarm; face detection; SMD; security exception
Video					Network			
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)					Network Port	RJ-45 (10/100 Base-T)
							SDK and API	Yes

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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			
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P			
User/Host	20 (Total bandwidth: 64 M)			
Storage	FTP; SFTP; Micro SD card (support max. 256 GB); NAS			
Browser	IE: IE 11 Chrome Firefox			
Management Software	Smart PSS;DSS;DMSS			
Mobile Client	iOS;Android			
Cyber Security	Configuration encryption; Trusted execution; Digest; Security logs; WSSE; Account lockout; syslog; Video encryption; 802.1x; IP/MAC filtering; HTTPS; Trusted upgrade; Trusted boot; Firmware encryption; Generation and importing of X.509 certification			
Certification				
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14			
Port				
RS-485	1 (baud rate range:1200 bps–115200 bps)			
Audio Input	1 channel (RCA port)			
Audio Output	1 channel (RCA port)			
Alarm Input	3 channels in: 5mA 3V–5V DC			
Alarm Output	2 channels out: 300mA 12V DC			
Power				
Power Supply	12 VDC/PoE			
Power Consumption	Basic: 3.1 W (12 VDC); 3.8 W (PoE) Max. (WDR + IR intensity + Intelligence on): 6.4 W (12 VDC); 7.7 W (PoE)			
Environment				
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)			
Operating Humidity	≤ 95%			
Protection	IP67; IK10			
Structure				

Casing Material

Net Weight

Gross Weight

**Product Dimensions** 

Metal

713 g (1.57 lb)

986 g (2.17 lb)

94 mm × Φ122 mm (3.70" × Φ4.80")

Ordering Information								
Туре	Model	Description						
5MP Camera	DH-IPC-HDBW4541RP-ZAS-X	5MP IR Vari-focal Dome WizMind Network Camera						
	PFA137	Junction Box Bracket						
	PFA109	Mount Adapter						
	PFB220C	Ceiling Mount Bracket						
Accessories	PFB203W	Wall Mount						
(Optional)	PFA152-E	Pole Mount						
	PFM321D	12 VDC 1 A Power Adapter						
	PFM900-E	Integrated Mount Tester						
	TF-P100	MicroSD Memory Card						

#### Accessories

### Optional:







PFA109 Mount Adapter



PFB220C Ceiling Mount Brack



PFM321D 12 VDC 1 A Power Adapter



PFB203W Wall Mount



PFA152-E Pole Mount

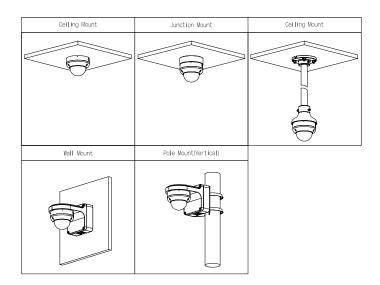


PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card

# Wiz Mind | DH-IPC-HDBW4541RP-ZAS-X



## Dimensions (mm[inch])

