

Technical Specification

Camera

Image Sensor	1/1.8" 4Megapixel progressive scan CMOS
Max. Resolution	2688 (H) × 1520 (V)
RAM/ROM	512 MB/128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s
S/N Ratio	> 56 dB
Minimum Illumination	0.001 Lux@F1.6
Illumination Distance	Distance up to 50 m (164 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED)

Lens

Lens Type	Fixed-focal				
Mount Type	Board-in				
Focal Length	2.8 mm, 3.6 mm, 6.0 mm				
Max. Aperture	F1.6				
Angle of View	H: 113°, V: 60°/H: 89°, V: 48°/H: 56°, V: 31°				
Aperture Type	Fixed				
Close Focus Distance	1.3 m (4.27 ft)/1.9 m (6.23 ft)/3.8 m (12.47 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	58m(190ft)	23m(75ft)	12m(39ft)	6m(20ft)
	3.6mm	72m(236ft)	29m(95ft)	14m(46ft)	7m(23ft)
	6.0mm	113m(371ft)	45m(148ft)	23m(75ft)	11m(36ft)

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan: 0°–355°; Tilt: 0°–75°; Rotation: 0°–355°
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Artificial Intelligence

Face Detection	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting; face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
People Counting	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 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

General Intelligence

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing
Heat Map	Yes

Video

Compression	H.265, H.264, H.264B, H.264H, MJPEG (only supported by sub stream)
Smart Codec	Smart H.265+ / Smart H.264+
Streaming Capability	3 Streams
Resolution	2688 × 1520/2560 × 1440/2304 × 1296/1080P (1920 × 1080)/1.3M (1280 × 960)/720P (1280 × 720)/D1 (704 × 576/704 × 480)/VGA (640 × 480)/CIF (352 × 288/352 × 240)
Frame Rate	Main Stream: 2688 × 1520 (1 fps–25/30 fps) 2560 × 1440 (1 fps–25/30 fps) 1920 × 1080 (1 fps–50/60 fps)
	Sub Stream: D1 (1 fps–25/30 fps) D1 (1 fps–50/60 fps)
	Third Stream: 1080P (1 fps–16 fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 19 Kbps–8192 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC Mode	BLC/HLC/WDR (140 dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off/On (4 Zone, Rectangle)
Region of Interest	Off/On (4 Zone)
Smart Illumination	Yes
Defog	Yes
Flip	0°/90°/180°/270°
Mirror	Off/On
Privacy Masking	Off/On (4 Area, Rectangle)

Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; people counting; face detection; People counting in area; Stay alarm; People No. exception detection; Queue Management
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Network

Ethernet	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; SNMP

Interoperability	ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P
User/Host	20 Users
Storage	NAS;FTP;SFTP;Dahua Cloud Micro SD card 256 GB
Browser	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)
Management Software	Smart PSS, DSS, DMSS
Mobile Phone	iOS, Android

Certifications

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
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Interface

Audio Interface	1/1 channel In/Out
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC

Electrical

Power Supply	DC 12V (±30%), PoE (802.3af)
Power Consumption	<6.1W

Environmental

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67,IK10

Construction

Casing	Metal
Dimensions	Φ122.0 mm × 88.9 mm (4.80" × 3.50")
Net Weight	0.47 kg (1.04 lb)
Gross Weight	0.63 kg (1.39 lb)

Ordering Information

Type	Part Number	Description
4MP camera	DH-IPC-HDBW5442RP-ASE	4MP WDR IR Dome WizMind Network Camera, WDR, PAL
	DH-IPC-HDBW5442RN-ASE	4MP WDR IR Dome WizMind Network Camera, WDR, NTSC
	IPC-HDBW5442RP-ASE	4MP WDR IR Dome WizMind Network Camera, WDR, PAL
	IPC-HDBW5442RN-ASE	4MP WDR IR Dome WizMind Network Camera, WDR, NTSC

Accessories (optional)	PFA137	Junction box
	PFB200C	Inceiling Mount
	PFA200W	Rain Shade
	PFA123	Junction box
	PFB203W	Wall Mount
	PFA152-E	Pole Mount
	PFA106	Mount Adapter
	PFB220C	Ceiling Mount

Accessories

Optional:



PFA137 Junction box



PFB200C Inceiling Mount



PFA200W Rain Shade



PFA123 Junction box



PFB203W Wall Mount



PFA152-E Pole Mount



PFA106 Mount Adapter



PFB220C Ceiling Mount



LR1002 ePoE Over Coax Converter

Junction Mount	Inceiling Mount	Wall Mount with Rain Shade	Junction Mount
PFA137	PFB200C	PFA200W	PFA123
Wall Mount	Pole Mount	Ceiling Mount	
PFB203W	PFB203W + PFA152-E	PFA106 + PFB220C	

Dimensions (mm[inch])

