



DH-IPC-HF5541F-ZE

5MP Box WizMind Network Camera











Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, IVSS,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

Driven by deep learning algorithms, Dahua WizMind S Series network camera offers a variety of intelligent functions that greatly improve the accuracy of audio and video analysis. It supports video metadata, smart sound detection, face detection, perimeter protection, people counting and more. The camera also adopts advanced image processing Al ISP technology and has the Deeplight night vision effect. The camera is dustproof, waterproof and vandal-proof, and is certified as IP67 and IK10 (the type of protection varies depending on the model).

Functions

AI-ISP

With AI ISP technology, the camera is able to easily adapt to scenes, producing high quality images that reveal the fine details of targets.

Self-Learning

Empowered by deep learning technology, the device recognizes different types of targets and their statuses through learning and analyzing target features to detect targets and filter out false alarms.

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.

AcuPick

This industry-leading search technology effectively utilizes both frontend and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

* The parameters and datasheets below can only be applied to 5541-Z-S3 series.

- 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.
- · Outputs max. 5MP (2960×1668) @25/30 fps.
- ROI, SVC, SMART H.264+/H.265+, AI H.264/H.265, encoding after filter, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- · With deep learning algorithm, it supports: video metadata, smart sound detection, IVS, face detection, smart object detection, and people counting, etc.
- · Alarm: 2 in, 2 out; audio: 2 in, 1 out; 485; BNC; supports max. 1 TB Micro SD card, built-in MIC.
- · Supports P-iris, the camera can control the iris more precisely for better image effect.
- 24 VAC/12 VDC/PoE power supply; ePoE.
- SMD 3.0.













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 reports to meet your requirements.

Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

Cyber Security

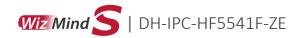
Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

Protection (Wide Voltage)

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.



Min. Illumination Min. John Sommilers	Technical Specification		Video	
Max. Resolution	Camera		Video Compression	
Max. Resolution 2960 (Pt + 1664 (rt)) AL Coding ALL CODING ROM 4 GB ALL CODING ALL CODING <td>Image Sensor</td> <td>1/2.7" CMOS</td> <td>Smart Codec</td> <td></td>	Image Sensor	1/2.7" CMOS	Smart Codec	
ROM RAM 1 CG Scanning System Programs Programs Ram American 1 CG Scanning System Programs Ram American 1 CG Scanning System Programs Ram American 1 CG Rections Shatter Speed American 1 CG Rection	Max. Resolution	2960 (H) × 1668 (V)	Al Coding	
Samining System Properties Properties Properties Properties Professional System Properties Professional System Properties Professional System Properties Professional System Professional	ROM	4 GB	U U	Sub stream: D1@(1–25/30 fps) Third stream: 1080p@(1–25/30 fps) Fourth stream: 720p@(1–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected
Seaning System	RAM	1 GB		
Min. Illumination Win. Jonn. 40 pms lens Co.0006 laught 12 (26 /u. 0.30 list) Co.0006 la	Scanning System	Progressive	Video Frame Rate	
Min. Illumination COCOS MapPE 12 (16M, 30 RE) COCOS MapPE 12 (16M, 30 RE) COCOS MapPE 12 (16M, 30 RE) Syn Ratio CYCS Lens Len	Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s		
Resolution 256 (1980 (1970 × 1987) 1.3 M (1280 × 950); 720 m (1980 × 1987) 1.3 M (1280 × 950); 720 m (1980 × 1987) 1.3 M (1280 × 950); 720 m (1980 × 1987) 1.3 M (1280 × 950); 720 m (1980 × 1987) 1.3 M (Min. Illumination	0.0008 lux@F1.2 (Color, 30 IRE)	Stream Capability	
Lens Mount C/CS Intelligence Intrusion, tripwere, fast moving (the three functions support the classification and accurate detection of control of CBR/VBR Intelligence Intrusion, tripwere, fast moving (the three functions support the classification and accurate detection of control of CBR/VBR Intelligence Intrusion, tripwere, fast moving (the three functions support the classification and accurate detection of support self-intelligence) IVS (Perimeter Protection) IVS (Perimet	S/N Ratio	>56 dB	Resolution	3.6M (2560 × 1440); 3M (2048 × 1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 ×
Intelligence Video Bit Rate H.266; 32 lbps-16384 lbps; H.265; 12 lbps-11776 lbps	Lens			
Introduce, tipote, fast moving that three functors upon the classification and accurate detection of vehicle, arimal and human) isotering detection, people indemendent of vehicle, arimal and human); lottering detection, people classification and accurate detection accurate detection and accurate detection accurate detec	Lens Mount	c/cs	Bit Rate Control	CBR/VBR
Support the classification and accurate detection of modes supports self-casinal and humans, licitaring detection, popile gatherine, parking detection. Supports solf-casinating, littlers out like learning. Smart Object Detection Smart abandoned object; smart missing object HLC Yes	Intelligence		Video Bit Rate	H.264: 32 kbps-16384 kbps; H.265: 12 kbps-11776 kbps
mode. Supports self-learning, if filters out false alarms. Smart Object Detection Smart abandoned object; smart missing object SMD 3.0 SMD 3.0 Uses deep learning algorithms and works with back end devices to accurately match targets, such as people, animal, and motor vehicles, and surch through live and recorded videos to apulckly locate targets. AL SSA Yes Face Detection Face Detection Face Detection Face Detection Face Detection Tripwire people counting, generating and exporting report (day/week/month), 4 rules can be set for tripwire, people counting in area and queue management. Heat Map Yes Motor vehicle, non motor vehicle, face, human body detection, track, snapshot; snapshot optimization, optimal face snapshot; problems and septimate shape and during an exporting report (day/week/month), 4 rules can be set for tripwire, people counting in area and queue management. Heat Map Yes Motor vehicle, non motor vehicle, face, human body detection, track, snapshot; snapshot optimization, optimal face snapshot; placed, show which color, being and other artifluties; seatbelt, smoking, college and other artifluties; seatbelt, smoking, college and other artifluties; seatbelt, smoking, college, to type and color, hat. Human body attributes; type, color, number of people; to type and color, hat. Human body attributes; pender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos. Smart Sound Detection Yes Alarm Event HLC Yes Autio, natural; street lamp; outdoor; manual; regional counting, scaped custom OFF/ON (4 areas, rectangular) Autio Noise Reduction OFF/ON (4 areas, rectangular) Noise Reduction OFF/ON (4 areas, rectangular) Noise Reduction OFF/ON (4 areas, rectangular) Region of Interest (Rol) Yes (4 areas) Image Stabilization Electronic timage Stabilization (EIS) Image Rotation Of/99/180/270* (Support 90/270* with 4M (2688 × 15/20) resolution and lower) Yes	IVS (Perimeter Protection)	support the classification and accurate detection of	Day/Night	Auto(ICR)/Color/B/W
SMD SMD 3.0 SMD 3.0 Lies deep learning algorithms and works with back end devices to accurately march targets, such as people, and annual and motor vehicles, and search through live and recorded videos to quickly locate targets. Al SSA Yes Face detection; track; snapshot upload; face enhancement; face exposure; face attributes servated in including 6 attributes and 8 expensions, face ansphot test as face, one-inch photo or custom; snapshot strategies (real-time snapshot, quality including and other vehicles and search private and face seposure; face attributes servated in including 6 attributes and 8 expensions, face snapshot set as face, one-inch photo or custom; snapshot; face enhancement; face exposure; face attributes and 8 expensions, face snapshot set as face, one-inch photo or custom; snapshot; face enhancement; face exposure; face attributes and 8 expensions, face snapshot set as face, one-inch photo or custom; snapshot; face enhancement; face exposure; face attributes and 8 expensions face snapshot set as face, one-inch photo or custom; snapshot; face enhancement; face exposure; face attributes settated; snapshot set as face, one-inch photo or custom; snapshot; face enhancement; face exposure; face attributes expension; face snapshot strategies (real-time snapshot; face enhancement; face exposure; face attributes setting. People Counting Tripwire people counting, generating and exporting report (day/week/month/year), people counting in area and queue management. Heat Map Yes Motor vehicle, nor-motor vehicle, face, human body detection, track; snapshot snapshot optimization; well-defended to the strategies of the strategie			BLC	Yes
Acupick Seed deep learning algorithms and works with back-end devices to accurately match targets, such as people, animal, and motor whicles, and search through live and recorded vides to quickly florate targets. Al SSA Yes Gain Control Auto	Smart Object Detection	Smart abandoned object; smart missing object	HLC	Yes
Acupick advices to accurately match targets, such as people, and recorded videos to quickly locate targets. AI SSA Yes Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expensions; fore snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face enjage filter; optimization time setting. People Counting People Counting People Counting Poople Counting And to vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face, human body detection; track; snapshot startegies (real-time snapshot); and queue management. Motor vehicle includes: sethicle, bop, bothout type and color, bat. Human body stributes: sethed; type, color, number of people, top type and color, hat. Human body stributes: generating and exporting and color, bat. Human body stributes: sethed; type, color, number of people, top type and color, hat. Human body stributes: generating and exporting and color, hat. Human body stributes: generating and exporting and color, hat. Human body stributes: generating and stributes: generating and stributes: generating and color, hat. Human body stributes: generating and stributes: generating and color, hat. Human body stributes: generating and	SMD	SMD 3.0	WDR	120 dB
Al SSA Yes Gain Control Auto Auto Gain Control Auto Auto Gain Control Auto Auto Noise Reduction 3D NR Motion Detection Face Detection Tipwire people counting, seperating and exporting report (fay/week/month/year); people counting in area and queue management; exporting are are and queue management; people counting in area and queue management; people counting in area and queue management; people counting in area and queue management. Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot optimization; optimal face supposed to propose detection; track; snapshot startigues (report (fay/week/month/year); people counting in area and queue management. Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot optimization; optimal face anapshot upload. Motor vehicle attributes: whicle type, vehicle color, vehicle logo, and their attributes: seathelt, smoking, calling. Non-motor vehicle attributes: seathelt, smoking, calling, some poople, top type and color, hat. Human body attributes: gender, age, expressions, glasses, face enask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes White Balance Gain Control Auto OFF/ON (4 areas), rectangular) Noise Reduction OFF/ON (4 areas) Teace ange filter, optimization time and face, on proposed and exporting report (fay/week/month); and and exporting re	Acupick	devices to accurately match targets, such as people, animal, and motor vehicles, and search through live and		
Face Detection Face Detection Face Edetection; track; snapshot upload; face enhancement; face exposure; face attributes extraction including 6 and unit routine settraction including 6 and unit routine setting. People Counting People Cou			White Balance	
people Counting People Counting People Counting Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot synapshot; snapshot synapshot; snapshot synapshot strate) optimal face snapshot, quality drivity and pot member of people; counting in area and queue management; generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management. Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seathelt, smoking, calling. Non-motor vehicle attributes: seathelt, smoking, calling. Non-motor vehicle attributes: seathelt, smoking, calling. Non-motor vehicle attributes: seathelt, smoking, calling. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Motion Detection OFF/ON (4 areas) Peoglo of Interest (Rol) Yes (4 areas) Image Stabilization Electronic image Stabilization (EIS) Image Stabilization Peofog Yes Mirror Yes Mirror Yes Privacy Masking 8 areas Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm Alarm Alarm 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; lottering detection; people gathering; parking detection; scene changing; audio detection; external alarm; face detection, video metadata; SMD; people counting in area; stay detection; gueue people number alarm; queue	AI SSA		Gain Control	Auto
Face Detection attributes and 8 expressions; face snapshot set as face, one-inch photo or custom; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting. People Counting Tripwire people counting, generating and exporting report (day/week/month/year); people counting in area and queue management; generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management. Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: stepe, color, number of people, to type and color, hat. Human body attributes: gender, topy foottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Ves Motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, age, expressions, glasses, face mask and beard. Alarm Event Alarm Event Alarm Event Alarm Event		optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes and 8 expressions; face snapshot set as face, one-inch photo or custom; snapshot strategies (real-time snapshot, quality priority and optimization snapshot);	Noise Reduction	3D NR
Sanashot, quality priority and optimization snapshot); face angle filter; optimization time setting. Image Stabilization Electronic Image Stabilization (EIS)	Face Detection		Motion Detection	OFF/ON (4 areas, rectangular)
Tripwire people counting, generating and exporting report (day/week/month/year); people counting in area and queue management, generating and exporting report (day/week/month/year); people counting in area and queue management. Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Defog Yes Mirror Yes Mirror Yes Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm 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; external alarm; face detection; video metadata; SMD; people counting in area, stay detection; people number alarm; queue people number alarm; queue			Region of Interest (RoI)	Yes (4 areas)
People Counting report (day/week/month/year); people counting in area and queue management; generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management. Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Defog Yes Image Rotation 0°/90°/180°/270° (Support 90°/270° with 4M (2688 x 1520) resolution and lower) Mirror Yes Privacy Masking 8 areas Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm 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; yeopel gathering; parking detection; scene changing; audio detection; scene changing; audio detection; video metadata; SMD; people counting in area; stay detection; queue people number alarm; face detection; queue people number alarm; queue		report (day/week/month/year); people counting in area and queue management; generating and exporting report (day/week/month); 4 rules can be set for tripwire,	Image Stabilization	Electronic Image Stabilization (EIS)
report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management. Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Mirror Yes Audio Privacy Masking 8 areas Audio Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm 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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number alarm; queue	People Counting		Defog	Yes
Heat Map Yes Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Privacy Masking Audio Wes Built-in MIC Yes Audio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm 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; scene changing; audio detection; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number alarm; queue			Image Rotation	
Motor vehicle, non-motor vehicle, face, human body detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Smart Search Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Audio Work of together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Alarm Event Alarm Event Alarm Event Alarm Event Alarm Event	Heat Map	Yes	Mirror	Yes
optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Built-in MIC Yes Addio Compression G.711a; G.711Mu; PCM; G.726; G.723 Alarm 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; scene changing; audio detection; yeople counting in area; stay detection; people counting; people counting in area; stay detection; queue people number alarm; queue	Video Metadata	detection; track; snapshot; snapshot optimization; optimal face snapshot upload. Motor vehicle attributes: vehicle type, vehicle color, vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and	Privacy Masking	8 areas
vehicle logo and other attributes: seatbelt, smoking, calling. Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Adarm Event			Audio	
Non-motor vehicle attributes: type, color, number of people, top type and color, hat. Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Alarm Alarm 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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue				
Human body attributes: gender, top/bottom type and color, bag, hat and umbrella. Face attributes: gender, age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes 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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue				G.711a; G.711Mu; PCM; G.726; G.723
age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos Smart Sound Detection Yes Alarm Event 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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number error detection; queue people number alarm; queue			Alarm	No SD card, SD card full, SD card array, naturally
Smart Sound Detection Yes area; stay detection; people counting; people number error detection; queue people number alarm; queue	Smart Search	age, expressions, glasses, face mask and beard. Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event	Alarm Event	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; external alarm; face detection; video metadata; SMD; people counting in area; stay detection; people counting; people number
Time alarm Sections excelling (befores determine	Smart Sound Detection	Yes		



Network Port	RJ-45 (10/100 Enhancement Base-T)		
SDK and API	Yes		
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMI SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2F Auto Register		
Interoperability	ONVIF (Profile S/Profile G/Profile T/Profile M); CGI		
User/Host	20 (Total bandwidth: 80 M)		
Storage	FTP; SFTP; Micro SD card (support max. 1 TB); NAS		
Browser	IE: IE 9 and later Chrome: Chrome 102 and later Firefox: Firefox 88 and later		
Management Software	SmartPSS Lite; 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	2 channels (3.5mm JACK port)		
Audio Output	1 channel (3.5mm JACK port)		
Alarm Input	2 channels in: wet contact, 5mA 3V–5V DC		
Alarm Output	2 channels out: dry contact, 1,000mA 30V DC/500mA 50V AC		
Analog Output	1 channel (CVBS output: BNC)		
Power Output	12 VDC power output, max. current 165 mA, peak current 700 mA		
Power			
Power Supply	12 VDC/24 VAC/PoE (802.3af)/ePoE		
Power Consumption	Basic: 5.3 W (12 VDC); 5.7 W (24 VAC); 5.7 W (PoE) Max. (H.265+ WDR+ Intelligence on): 9.3 W (12 VDC); 10.9 W (24 VAC); 11.2 W (PoE)		
Environment			
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)		
Operating Humidity	≤95%		
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)		
Storage Humidity	10%–95% (RH), non-condensing		
Structure			
Casing Material	Metal		

Ordering Information				
Туре	Model	Description		
5MP Camera	DH-IPC-HF5541F-ZE	5MP Box WizMind Network Camera		
	IPC-HF5541F-ZE	5MP Box WizMind Network Camera		
	PFB121W	Wall Mount Bracket		
	PFB110W	Ceiling Mount Bracket		
	DH-PFL1040-A12PE	10-40mm Motorized Vari-Focal Lens		
Accessories (Optional)	PFH610V Series	Housings		
	PFM321D	12 VDC 1 A Power Adapter		
	PFM900-E	Integrated Mount Tester		
	TF-P100	MicroSD Memory Card		

Accessories

Optional:



PFB121W Wall Mount Bracket



PFB110W Ceiling Mount Bracket



DH-PFL1040-A12PE 10-40mm Motorized Vari-Focal Lens



PFH610V Series Housings



PFM321D 12 VDC 1 A Power Adapter

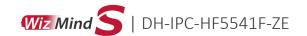


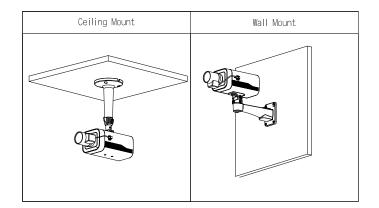
PFM900-E Integrated Mount Tester

Alhua

1_{TB} UA2

MS2 V30





Dimensions (mm[inch])

