

DH-IPC-HFW8630E-Z

6MP IR Bullet Network Camera



System Overview

Ultra series product adopts high performance DSP and Sony advanced image sensor technology, which can provide excellent image effects for users such as UHD resolution, starlight and super WDR etc. The series utilizes Dahua advanced software algorithm, which is able to support people counting and heat map, bringing extra business analysis value for customers; IP67, IK10 and heater compliance enables the product to be applied in a more harsh environment.

Functions

Intelligent Video System (IVS)

Dahua camera has a built-in video analysis based on intelligent algorithms and can achieve the following:Tripwire,Intrusion,Abandoned/ Missing can timely, quickly and accurately respond to monitoring events in specific area. It enhances monitoring efficiency. At the same time, the camera can support face detection, it can quickly capture a face and upload the image to the server. In addition the camera also supports intelligent tamper detection,through dramatic changes in the scene it will send out warning information to ensure effective monitoring.

Business intelligent analysis (People counting, Heatmap)

Dahua Camera also supports more advanced intelligent features such as people counting and heat map besides basic IVS functions. These two functions can be applied to business intelligence and bring extra values to customers. It is available to acquire daily, weekly, monthly and yearly people flow via people counting and output data report. Heat map can be based on a moving object in time of space movement for analysis, find the most active area and output the report, which is to provide valuable data support for commercial applications.

Smart Scene Adaptive (SSA)

Smart Scene Adaptive (SSA) is a Dahua self-developed intelligent image technology, the camera automatically evaluates the change in scene, in particular strong lights. In a strong backlight environment, it will automatically regulate exposure parameters to get better image quality. This can effectively address the impact of traffic lights, providing

- · 1/1.8" 6Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 triple-stream encoding
- ·25/30fps@6M(3072×2048)
- · DWDR, Day/Night(ICR), 3DNR,AWB,AGC,BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 4.1mm ~16.4mm motorized lens
- \cdot Max. IR LEDs Length 50m
- Micro SD memory, I P67, IK10, PoE+



excellent video quality.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology , while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include : Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity , etc

Environmental

With a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.





Ultra Series | DH-IPC-HFW8630E-Z

Technical Specification

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Camera						
Image Sensor		1/1.8" 6Megapixel progressive scan CMOS				
Effective Pixels		3072(H)x2048(V)				
RAM/ROM		1024MB/128MB				
Scanning Syster	Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				
Minimum Illumination		0.01Lux/F1.53(Color,1/3s,30IRE) 0.1Lux/F1.53(Color,1/30s,30IRE) 0Lux/F1.53(IR on)				
S/N Ratio		More than 50dB				
IR Distance		Distance up to 50m(164ft)				
IR On/Off Contr	ol	Auto/ Manua	Auto/ Manual			
IR LEDs		4				
Lens						
Lens Type		Motorized /Auto Iris(HALL)				
Mount Type		Board-in				
Focal Length		4.1~16.4mm motorized				
Max. Aperture		F1.53				
Angle of View		H: 86°~35°, V:57°~25°				
Optical Zoom		4x				
Focus Control		Motorized				
Close Focus Distance		0.5m(1.64ft)				
	Lens	Detect	Observe	Recognize	Identify	
DORI Distance	W	88m(289ft)	35m(115ft)	18m(59ft)	9m(30ft)	
	т	213m(699ft)	85m(279ft)	43m(141ft)	21m(69ft)	
Pan/Tilt/Rot	ation					
Pan/Tilt/Rotation Range		Pan:0°~360°;	Tilt:0°~90°; Ro	otation:0°~36	0°	
Intelligence						
IVS		Tripwire, Intrusion, Object Abandoned/Missing				
Advanced Intell	Advanced Intelligent Functions		Face Detection, People Counting, Heat Map			
Video						
Compression		H.265+/H.265/H.264+/H.264				
Streaming Capability		3 Streams				
Resolution		6M(3072x2048)/ 5M(2560x1920)/ 3M(2048x1536)/ 3M(2304x1296)/ 1080P(1920x1080)/ 1.3M(1280x960)/ 720P(1280x720D1(704x576/ 704x480) / VGA(640x480)/ CIF(352x288/342x240)				

Main Stream: 6M(1~25/30fps) Sub Stream: D1 (1 ~ 25/30fps)

Third Stream: 1080P(1~25/30fps)

H.264: 24~ 16384Kbps H.265: 14~ 9984Kbps

CBR/VBR

Frame Rate

Bit Rate Control

Bit Rate

IDMJ

bay/NightAuto(CN) / COV / FWBCL ModeRC/HC / DWR/SABolt NatalAuto/Natural/Streat Lamp/Outdoor/ManualGain ConrolAuto/ManualNoise ReductionB / DN / A Cane, Beat and Streat S					
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ProtocolDHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP; Bonjour;802.1x;Multicast;ICMP;IGMP;SNMPInteroperabilityONVIF, PSIA, CGIStreaming MethodUnicast / MulticastMax. User Access10 Users/20 UsersEdge StorageNAS Local PC for instant recording Mirco SD card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, Easy4ipSmart PhoneIOS, AndroidCertificationsUL:UL60950-1 FCC: FCC Part 15 Subpart BInterface19 ort(For adjustment only)Audio InterfaceN/AAudio InterfaceN/AAlarmC channel In: SmA SVDC channel Out: 1A 30VDC / 0.5A 50VACFlectricalDC12V, PGE+ (802.3at)(Class 4)	Ethernet	RJ-45 (100/1000Base-T)			
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Nanagement SoftwareSmart PSS, DSS, Easy4ipSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceIPort(For adjustment only)Nideo Interface1/1 channel In/OutRS485N/AAlarm2 channel In: SmA SVDC thannel Out: 1A 30VDC / 0.5A 50VACElectricalDC12V, POE+ (802.3at)(Class 4)	Edge Storage	Local PC for instant recording			
Smart PhoneIOS, AndroidCertificationsCertificationsCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceIPort(For adjustment only)Audio Interface1/1 channel In/OutRS485N/AAlarmChannel In: SmA SVDC thannel Out: 1A 30VDC/0.5A 50VACElectricalD12V, PoE+ (802.3at)(Class 4)	Web Viewer	IE, Chrome, Firefox, Safari			
Certifications CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B Interface Interface Video Interface 1 Port(For adjustment only) Audio Interface 1/1 channel In/Out RS485 N/A Alarm 2 channel In: SmA SVDC 1 channel Out: 1A 30VDC / 0.5A 50VAC Electrical DC12V, PoE+ (802.3at)(Class 4)	Management Software	Smart PSS, DSS, Easy4ip			
CertificationsCE (EN 60950:2000) ULUG0950-1 FCC: FCC Part 15 Subpart BInterfaceVideo Interface1 Port(For adjustment only)Audio Interface1/1 channel In/OutRS485N/AAlarm2 channel In: SmA SVDC 1 channel Out: 1A 30VDC / 0.5A 50VACElectricalPower SupplyDC12V, PoE+ (802.3at)(Class 4)	Smart Phone	IOS, Android			
CertificationsUL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceVideo Interface1 Port(For adjustment only)Audio Interface1/1 channel In/OutRS485N/AAlarm2 channel In: SmA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VACElectricalDC12V, PoE+ (802.3at)(Class 4)	Certifications				
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Audio Interface 1/1 channel In/Out RS485 N/A Alarm 2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC Electrical Power Supply DC12V, PoE+ (802.3at)(Class 4)					
RS485 N/A Alarm 2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC Electrical D12V, PoE+ (802.3at)(Class 4)	Video Interface	1 Port(For adjustment only)			
Alarm 2 channel In: 5mA 5VDC 1 channel Out: 1A 30VDC / 0.5A 50VAC Electrical Power Supply DC12V, PoE+ (802.3at)(Class 4)	Audio Interface	1/1 channel In/Out			
Alarm 1 channel Out: 1A 30VDC / 0.5A 50VAC Electrical Power Supply DC12V, PoE+ (802.3at)(Class 4)	RS485	N/A			
Power Supply DC12V, PoE+ (802.3at)(Class 4)	Alarm				
	Electrical				
Power Consumption <13W	Power Supply	DC12V, PoE+ (802.3at)(Class 4)			
	Power Consumption	<13W			

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Ultra Series | DH-IPC-HFW8630E-Z

Environmental		
Operating Conditions	-40° C $^{\sim}$ +60° C (-40° F $^{\sim}$ +140° F) / Less than 95% R	
Strorage Conditions	-40° C $^{\sim}$ +60° C (-40° F $^{\sim}$ +140° F) / Less than 95% RH	
Ingress Protection	IP67	
Vandal Resistance	IK10	
Construction		
Casing	Metal	
Dimensions	273.2mm×95.0mm×96.4mm (10.76"×3.74"×3.79")	
Net Weight	1.12Kg (2.47lb)	
Gross Weight	1.52Kg (3.35lb)	

Ordering Information

Туре	Part Number	Description	
6MP camera	DH-IPC- HFW8630EP-Z	6MP IR Bullet Network Camera,PAL	
	DH-IPC- HFW8630EN-Z	6MP IR Bullet Network Camera,NTSC	
	IPC-HFW8630EP-Z	6MP IR Bullet Network Camera,PAL	
	IPC-HFW8630EN-Z	6MP IR Bullet Network Camera,NTSC	
Accessories (optional)	PFA121	Junction box	
	PFA152	Pole Mount	

Accessories

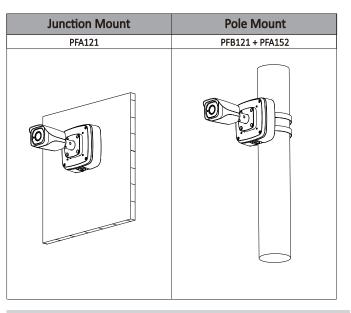
Optional:





PFA121 Junction box

PFA152 Pole mount



Dimensions (mm/inch)

