

DH-IPC-HFW1230S 2MP IR Mini-Bullet Network Camera



System Overview

The IR Megapixel Fixed camera delivers 2MP resolution with a motorized 2.8mm/3.6mm fixed lens.The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

Intelligent Video Analysis (IVS)

Dahua camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire and Intrusion, to quickly and accurately respond to monitoring events in specific area, It can enhance monitoring efficiency. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

- · 1/2.7" 2Megapixel progressive CMOS
- · H.265& H.264 dual-stream encoding
- · 25/30fps@1080P(1920×1080)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.8 mm fixed lens (3.6mm optional)
- · Max IR LEDs Length 30m
- · IP67, PoE



Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity.

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Lite Series | DH-IPC-HFW1230S

Technical Specification

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

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

H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps

CBR/VBR

Frame Rate

Bit Rate

Bit Rate Control

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Smart IRSupportPigital Zoom16xPipital Zoom16xFlip0'90'1180'270'MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkProtocolR-45 (10/100Base-T)ProtocolN/IP-PriTip-StCP-ARP:RTS-PRTP:RTCP:UDP:SMTP; PTP:DHCP:DNS:DPDNS:PPPOE;IP-4/\v6;QoS;UPPP; PTP:DHCP:DNS:DDNS:PPPOE;IP-4/\v6;QoS;UPPP; PTP:DHCP:DNS:DDNS:PPPOE;IP-4/\v6;QoS;UPPP; PTP:DHCP:DNS:DDNS:PPPOE;IP-4/\v6;QoS;UPPP; PTP:DHCP:DNS:DDNS:PPPOE;IP-4/\v6;QoS;UPPP; PTSInteroperabilityONVIF Profile S&G, APIStreaming MethodUncast / MulticastMax. User Access10 Users / 20 UsersKeb ViewerICcal PC for instant recordingWeb ViewerISC, AndroidSmart PhoneIOS, AndroidCertificationsULUE00950-1 FC: FCC Part 15 Subpart BVideo InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/APower SupplyD/2U, PDE (802, aft)(Class 0)	Region of Interest	Off / On (4 Zone)			
Privacy Digital Zoom16xFlip0'90'/180'/270'MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionNANetworkEthernetR-45 (10/100Base-T)ProtocolNITP;HTTP;HTP;STCP;ARP;RTSP;RTP;HTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPDAS;PPPA(Ar6;QoS;UPAP; TLSInteroperabilityONVIF Profile S&G, APIMax. User AccessUnicast / MulticastKebviewerIsc Arb Singer AccessionManagement SoftwareIsc AndroidSmart PhoneIoS, AndroidCertificationsCE (EN 60950:2000) U.S.L60950-1 SC: FCC Part 15 Subpart BVideo InterfaceNAAudio InterfaceNAAudio InterfaceNAAudio InterfaceNAAudio InterfaceNAPrestorealNAPrestorealNAPrestorealNAPrestorealSubpart BDistributionsCE (EN 60950:2000) U.S.L60950-1 Sc (FC Part 15 Subpart BAudio InterfaceNAAudio InterfaceNAAudio InterfaceNAAudio InterfaceNAAudio InterfaceNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNAPrestorealNA	Electronic Image	Support			
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NirrorOff / OnMirrorOff / On (4 Area, Rectangle)Privacy MaskingOff / On (4 Area, Rectangle)AudioN/ACompressionN/ANetworkIteration (10008ase-T)ProtocolR145 (10/1008ase-T)ProtocolN/Y Profile S&G, APP, RTP; RTCP; UDP; SMTP; TP; PhCP; DNS; DNS; PPPOE; JPV4/VG; OOS; UPPAP; TP; PhCP; DNS; PPPOE; JPV4/VG; OOS; UPPAP; TP; PhCP; DNS; PPPOE; JPV4/VG; OOS; UPPAP; TP; PhCP; DNS; PPOE; JPV4/VG; OOS; UPPAP; TP; PhCP; DNS; DNS; DNS; DNS; DNS; DNS; DNS; DNS	Digital Zoom	16x			
Privacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRI-45 (10/100Base-T)ProtocolKT95 (10/100Base-T)ProtocolKT95 (10/100Base-T)ProtocolUNIX Profile S&G, APIInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User AccessI0 Users / 20 UsersEdge StorageKasa (Sacal PC for instant recording)Web ViewerEc (Chrome, Firefox, SafariManagement SoftwareI0S, AndroidCertificationsCE (EN 60950-2000) ULUG0950-1 FC: FCC Part 15 Subpart BVideo InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/APower SupplyDI2U, PoE (802.3af)(Class 0)Power SupplyDI2U, PoE (802.3af)(Class 0)	Flip	0°/90°/180°/270°			
AudioCompressionN/ANetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTP;JCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPV4/v6;QoS;UPPP; TLSInteroperabilityONVIF Profile S&G, APIInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastKudser Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIC, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneOS, AndroidCertificationsE (EIN 60950:2000) UL/UL60950-1 FCC: FCC Part 15 Subpart BVideo InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAuramN/APower SupplyDC12V, PDE (802.3af)(Class 0)Power SupplyDC12V, PDE (802.3af)(Class 0)	Mirror	Off/On			
CompressionN/ANetworkRJ-45 (10/100Base-T)EthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTP;3CP;APP;RTSP;RTP;RTCP;UDP;SMTP; TP;DiPC;DNS;DDNS;PDPoE;IPv4/v6;QoS;UPP; TTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) ULU L00950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/APower SupplyDC12V. PGE (802.3af)(Class 0)	Privacy Masking	Off / On (4 Area, Rectangle)			
Network Ethernet RJ-45 (10/100Base-T) Protocol HTTP;HTTP;ATCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; PTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QoS;UPvP; TTP;DHCP;DMS;DDMS;PPPoE;IPv4/v6;QOS;UPvP; TS Interoperability ONVIF Profile S&G, API Max. User Access 10 Users / 20 Users Kadge Storage Interof, Safari Management Software IR; Chrome, Firefox, Safari Management Software INAR Smart Phone IOS, Android Certifications CE (EN 60950:2000) UL:UL60950-1 FCC; ECC Part 15 Subpart B Interface N/A Audio Interface N/A Audio Interface N/A Audio Interface N/A Alarm N/A Power Supply D12V, PG (802.3af)(Class 0)	Audio				
EthernetRJ-45 (10/100Base-T)EthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPs;TCP;ARP;RTSP;RTSP;RTSP;RTCP;UDP;SMTP; FTP;DhCP;DNS;DDNS;PPPoE;JPv4/v6;QoS;UPPP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950-2000) UL:UL60950-1 FC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalN/APower SupplyDC12V, PoE (802.3af)(Class 0)	Compression	N/A			
ProtocolHTTP;HTTP;TCP;ARP;RTSP;RTSP;RTSP;RTSP;RTSP;MCP;UDP;SMTP; TTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsEE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/APower SupplyDC12V, PoE (802.3af)(Class 0)	Network				
ProtocolFTP:DHCP:DNS:DDNS:PPPOE;IPv4/v6;QoS;UPnP; TTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP; TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:U60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/APower SupplyDC12V. POE (802.3af)(Class 0)	Ethernet	RJ-45 (10/100Base-T)			
Streaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudro InterfaceN/APower SupplyDC12V, PDE (802.3af)(Class 0)	Protocol	FTP;DHCP;DNS;DDNS;PPPoE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;			
Nax. User Access10 Users / 20 UsersMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalViAPower SupplyDC12V, PoE (802.3af)(Class 0)	Interoperability	ONVIF Profile S&G, API			
Edge StorageNAS Local PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (802.3af)(Class 0)	Streaming Method	Unicast / Multicast			
Edge StorageLocal PC for instant recordingWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalVideo InterfacePower SupplyDC12V, PoE (802.3af)(Class 0)	Max. User Access	10 Users / 20 Users			
Management SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (802.3af)(Class 0)	Edge Storage				
Smart PhoneIOS, AndroidCertificationsCertificationsCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AVideo InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalVideo InterfacePower SupplyDC12V, PoE (802.3af)(Class 0)	Web Viewer	IE, Chrome, Firefox, Safari			
Certifications CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B Interface N/A Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical D12V, PoE (802.3af)(Class 0)	Management Software	Smart PSS, DSS, DMSS			
CertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (802.3af)(Class 0)	Smart Phone	IOS, Android			
CertificationsUL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (802.3af)(Class 0)	Certifications				
Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical D12V, PoE (802.3af)(Class 0)	Certifications	UL:UL60950-1			
Audio Interface N/A RS485 N/A Alarm N/A Electrical DC12V, PoE (802.3af)(Class 0)	Interface				
RS485 N/A Alarm N/A Electrical DC12V, PoE (802.3af)(Class 0)	Video Interface	N/A			
Alarm N/A Electrical DC12V, PoE (802.3af)(Class 0)	Audio Interface	N/A			
Electrical Power Supply DC12V, PoE (802.3af)(Class 0)	RS485	N/A			
Power Supply DC12V, PoE (802.3af)(Class 0)	Alarm	N/A			
	Electrical				
Power Consumption <5.5W	Power Supply	DC12V, PoE (802.3af)(Class 0)			
	Power Consumption	<5.5W			

Lite Series | DH-IPC-HFW1230S

Environmental				
Operating Conditions	-30° C \sim +60° C (-22° F \sim +140° F) / Less than 95% RH			
Strorage Conditions	-30° C \sim +60° C (-22° F \sim +140° F) / Less than 95% RH			
Ingress Protection	IP67			
Vandal Resistance	N/A			
Construction				
Casing	Metal+Plastic			
Dimensions	Φ70mm×164.7mm(2.76"x6.49")			
Net Weight	0.38Kg(0.84lb)			
Gross Weight	0.44Kg(0.97lb)			

Ordering Information

Туре	Part Number	Description		
2MP camera	DH-IPC-HFW1230SP -0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,PAL		
	DH-IPC-HFW1230SN -0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,NTSC		
	IPC-HFW1230SP -0280B	2MP IR Mini-Bullet Network Camera, 2.8mm,PAL		
	IPC-HFW1230SN -0280B	2MP IR Mini-Bullet Network Camera, 2.8mm, NTSC		
	DH-IPC-HFW1230SP -0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,PAL		
	DH-IPC-HFW1230SN -0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,NTSC		
	IPC-HFW1230SP -0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,PAL		
	IPC-HFW1230SN -0360B	2MP IR Mini-Bullet Network Camera, 3.6mm,NTSC		
Accessories (optional)	PFA134	Junction box		
	PFA152-E	Pole mount		
	PFA151	Corner mount		

Accessories

Junction Box

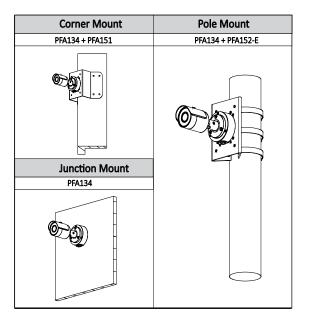
Optional:



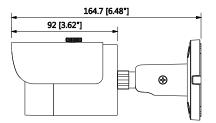


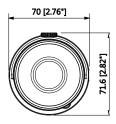
Pole mount

PFA151 Corner mount



Dimensions (mm/inch)







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