

DH-IPC-HFW2431T-ZS/VFS

4MP WDR IR Bullet Network Camera



System Overview

The IR Megapixel Vari-focal camera delivers 4MP resolution with a 2.7mm \sim 13.5mm varifocal 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.

Wide Dynamic Range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

- · 1/3" 4Megapixel progressive CMOS
- · H.265 & H.264 dual-stream encoding
- · 20fps@4M(2688×1520)&25/30fps@3M(2304×1296)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · Micro SD card slot, up to 128GB
- · 2.7~13.5mm varifocal lens
- \cdot Max IR LEDs Length 60m
- · IP67, IK10(optional), PoE+



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 60m (197ft).

Protection (IP67, wide voltage)

The camera allows for ±25% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV 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-HFW2431T-ZS/VFS

Frame Rate

Bit Rate Control

Technical Specification						
Camera						
Image Sensor		1/3" 4Megapixel progressive CMOS				
Effective Pixels	Effective Pixels		2688(H) x1520(V)			
RAM/ROM		512MB/32MB				
Scanning System	Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				
Minimum Illumination		0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)				
S/N Ratio		More than 50dB				
IR Distance		Distance up to 60m(197ft)				
IR On/Off Control		Auto/ Manual				
IR LEDs	IR LEDs		4			
Lens						
Lens Type		Motorized(-ZS),Manual(-VFS)				
Mount Type	Mount Type		Board-in			
Focal Length	Focal Length		2.7mm~13.5mm			
Max. Aperture		F1.4				
Angle of View	Angle of View		H:104°~28°, V:55°~16°			
Focus Control		Motorized(-ZS),Manual(-VFS)				
Close Focus Dista	Close Focus Distance		0.3m			
	Lens	Detect	Observe	Recognize	Identify	
DORI Distance	W	64m(210t)	26m(85ft)	13m(43ft)	6m(20ft)	
	Т	222m(728ft)	89m(292ft)	44m(144ft)	22m(72ft)	
	PTZ					
Pan/Tilt Range		Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°				
Intelligence		Motion detect	ion Video tam	noring Scon	e changing	
Event Trigger		Motion detection, Video tampering , Scene changing , Network disconnection , IP address conflict, Illegal Access,Storage anomaly				
IVS		Tripwire, Intrusion				
Video						
Compression		H.265/H.264H/MJPEG(Sub Stream)				
Smart Codec		Support H.265+/H.264+				
Streaming Capability		2 Streams				
Resolution		4M(2688x1520)/3M(2304×1296)/1080P(19 20×1080)/720P(1280×720)/VGA(640×480)/ D1(704×576/704×480)/CIF(352×288/352×240)				
		Main Stream: 4M (1 ~ 20fps)/3M(1 ~ 25/30fps)				

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

CBR/VBR

Day/NightAuto/ICR/ / Color / B/WBLC ModeBLC / HLC / WDR(120dB)White BalanceAuto/Natural/Street Lamp/Outdoor/ManualGain ControlAuto/ManualNoise Reduction3D DNRMotion DetectionOff / On (4 Zone), Rectangle)Region of InterestOff / On (4 Zone)Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital Zoom16xFlip0'/90'/180'/270'MirrorOff / On (4 Area, Rectangle)AutdioOff / On (4 Area, Rectangle)AutdioHTTP:HTTPS:TCP:ABP:RTP:RTCP:UDP:SMTP: FTP:DictPDNS:DDNS:PPPOEJPM4/V5:OnSUPPP: MTP:Bonjour;IEE B02.1X;Multicast;CMP:IGMP:TLSInteroperabilityONVIP Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10Users / 20 UsersEdge StorageNAS MC: Do Users / 20 UsersInteroperabilityONVIP Profile S&G, BPIVideo InterfaceICK AndroidCertificationsCE (1K 60950-200) HC: DE050-31 FC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio Interf	Bit Rate	H.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps			
White BalanceAuto/Natural/Street Lamp/Outdoor/ManualGain ControlAuto/ManualNoise Reduction3D DNRMotion DetectionOff / On (4 Zone, Rectangle)Region of InterestOff / On (4 Zone)Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital Zoom16xFlipO'90'J180'J270'MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetWorkEthernetRI-45 (10/100Base-T)ProtocolHTTP;HTP;STCP;ARP;RTSP;RTP;GTCP;UDP;SMTP; TTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneICS, AndroidCertificationsCE (EM 60950-2000) UL/UG0850-1 	Day/Night				
ControlAuto/ManualGain ControlAuto/ManualNoise Reduction3D DNRMotion DetectionOff / On (4 Zone, Rectangle)Region of InterestOff / On (4 Zone)Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital ZoomI&xFlipO'90'180'270'MirrorOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTP;StCP;ARP;RTSP;RTP;HTCP;UDP;StMTP; TTP;BorD;DNS;DPD6;IPV4/VS;QuSUPNP; TTP;DirCP;DNS;DDNS;PPD6;IPV4/VS;QuSUPNP; TTP;BorD;DIS;PPF06;IPV4/VS;QuSUPNP; TTP;BorD;DIS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DNS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DNS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DNS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DNS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDNS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DirCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;DDS;PPF06;IPV4/VS;QuSUPNP; TTP;DIrCP;DINS;DDS;DDS;PPF06;IPV4/VS;QUSUPNP; TTP;DIrCP;DINS;DDS;DDS;PPF04/USUPAEdge StorageID Users / 20 UsersEdge StorageICS; CC Part 15 Subpart B<	BLC Mode	BLC / HLC / WDR(120dB)			
Noise Reduction3D DNRMotion DetectionOff / On (4 Zone, Rectangle)Region of InterestOff / On (4 Zone)Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital Zoom16xFlipO'/90'/180'/270"MirrorOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkN/AEthernetRI-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPD6;JPV4/V6;OoS;UPP; NTP;Bonjour;IEE 802.1X;Multicast;CMP;IGMP;TLSInteroperabilityON/VIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Mirco S DC and 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950-2000) ULUE0950-1 FCT Firefox, SafariInterfaceN/AAudio InterfaceN/AAudio InterfaceN/A	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual			
InternationalInternationalMotion DetectionOff / On (4 Zone, Rectangle)Region of InterestOff / On (4 Zone)Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital Zoom16xFlipO'f90'/180'/270'MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRI-45 (10/100Base-T)ProtocolHTTP:HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DNS;DPPOE;IPV4/V6;QoS;UPNP; NTP;Bonjour;IEE 802.1X;Multicast;CMP;IGMP;TLSInteroperabilityON/VI Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:ULG0950-1 FCC: CP art 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalPCPortocolDI12V;P0E+ (IEEE 802.3at)(Class 4)	Gain Control	Auto/Manual			
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Electronic Image Stabilization(EIS)N/ASmart IRSupportDigital Zoom16xFlip0'/90'/180'/270"MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;DPPOE;JPV4/V6;OoS;UPNP; NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLSInteroperabilityON/VIF Profile S&G, APIStreaming MethodUnicast / MulticastMax: User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL00950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AAlarmN/APicetricalPC12V,POE+ (IEEE 802.3at)(Class 4)	Motion Detection	Off / On (4 Zone, Rectangle)			
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Filp0'/90'/180'/270°MirrorOff / OnPrivacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkFiltEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DhCP;DNS;DDNS;DPPOE;IPV4/V6;QoS;UDP;SInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:U60950-1 FCCP art 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/APower SupplyD(12V,POE+ (IEEE 802.3at)(Class 4)		Support			
MirrorOff / OnMirrorOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DDS;DPPDe5;JPV4/V6;005;UPP; 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 recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/APower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Digital Zoom	16x			
Privacy MaskingOff / On (4 Area, Rectangle)AudioCompressionN/ANetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPV4/VG;QoS;UPNP; NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLSInteroperabilityONVVF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalFPower SupplyDC12V,POE+ ((EEE 802.3at)(Class 4)	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; 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 recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/APower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Mirror	Off / On			
CompressionN/ANetworkRI-45 (10/100Base-T)EthernetRI-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ADP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPDe;IPV4/V6;QoS;UPNP; NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;ILSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/APower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Privacy Masking	Off / On (4 Area, Rectangle)			
NetworkEthernetRJ-45 (10/100Base-T)ProtocolHTTP;HTTPS;TCP;ARP;RTSP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;DPDo5;IPV4/V6;QoS;UPnP; 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 recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: PCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalPower SupplyDruber SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Audio				
EthernetRJ-45 (10/100Base-T)EthernetHTTP;HTTPS;TCP;ARP;RTSP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;DPPOE;IPV4/V6;QoS;UPNP; MTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLSInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalPower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Compression	N/A			
InterpretationInterpretationProtocolInterpretationProtocolInterpretationInteroperabilityONVIF Profile S&G, APIStreaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950:1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AAlarmN/APower SupplyDC12V, PoE+ (IEEE 802.3at) (Class 4)	Network				
ProtocolFTP;DHCP;DNS;DDNS;PPPoE;PV4/V6;QoS;UPNP; 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 recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AAlarmN/APower SupplyDC12V,POE+ (IEEE 802.3at)(Class 4)	Ethernet	RJ-45 (10/100Base-T)			
Streaming MethodUnicast / MulticastMax. User Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalV/APower SupplyDC12V,POE+ (IEEE 802.3at)(Class 4)	Protocol	FTP;DHCP;DNS;DDNS;PPPoE;IPV4/V6;QoS;UPnP;			
NaxUser Access10 Users / 20 UsersEdge StorageNAS Local PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAudio InterfaceN/AAlarmN/AElectricalViAPower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Interoperability	ONVIF Profile S&G, API			
Image 	Streaming Method	Unicast / Multicast			
Edge StorageLocal PC for instant recording Micro SD Card 128GBWeb ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AAudio InterfaceN/AAudio InterfaceN/ARs485N/AAlarmN/AElectrical	Max. User Access	10 Users / 20 Users			
Management SoftwareSmart PSS, DSS, DMSSSmart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceVideo InterfaceVideo InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalVideo InterfacePower SupplyDC12V,PoE+ (IEEE 802.3at)(Class 4)	Edge Storage	Local PC for instant recording			
Smart PhoneIOS, AndroidCertificationsCE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart BInterfaceN/AVideo InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalVideo InterfacePower SupplyDC12V,PoE+ (IEEE 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 N/A Audio Interface N/A Audio Interface N/A Audio Interface N/A Electrical N/A Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Management Software	Smart PSS, DSS, DMSS			
Certifications CE (EN 60950:2000) UI:UL60950-1 FCC: FCC Part 15 Subpart B Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical DC12V,PoE+ (IEEE 802.3at)(Class 4)	Smart Phone	IOS, Android			
Certifications UL:UL60950-1 FCC: FCC Part 15 Subpart B Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical V/A Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Certifications				
Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Certifications	UL:UL60950-1			
Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Interface				
RS485 N/A Alarm N/A Electrical Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Video Interface	N/A			
Alarm N/A Electrical Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Audio Interface	N/A			
Electrical Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	RS485	N/A			
Power Supply DC12V,PoE+ (IEEE 802.3at)(Class 4)	Alarm	N/A			
	Electrical				
Power Consumption <14W(-ZS), <12W(-VFS)	Power Supply	DC12V,PoE+ (IEEE 802.3at)(Class 4)			
	Power Consumption	<14W(-ZS), <12W(-VFS)			

Lite Series | DH-IPC-HFW2431T-ZS/VFS

Environmental

Ordering Information

Part Number

Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
Storage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
Ingress Protection	IP67	
Vandal Resistance	IK10(Optional)	
Construction		
Casing	Metal	
Dimensions	244.1mm×79mm×75.9mm (9.61"×3.11"×2.99")	
Net Weight	0.815kg (1.80lb)	
Gross Weight	1.08kg (2.38lb)	

Description

NTSC

PAL

NTSC

Junction box

Pole mount

4MP WDR IR Bullet Network Camera,

4MP WDR IR Bullet Network Camera,

4MP WDR IR Bullet Network Camera,

Accessories

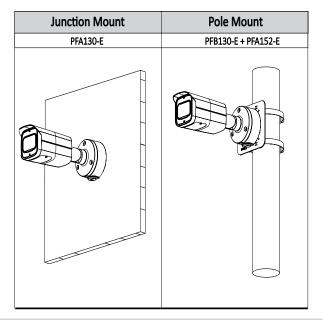
Optional:



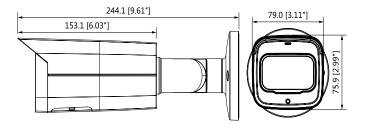


PFA130-E Junction Box

PFA152-E Pole Mount



Dimensions (mm/inch)





	DH-IPC-HFW2431TP- ZS	4MP WDR IR Bullet Network Camera, PAL		
	DH-IPC-HFW2431TN- ZS	4MP WDR IR Bullet Network Camera, NTSC		
	IPC-HFW2431TP-ZS	4MP WDR IR Bullet Network Camera, PAL		
4MP camera	IPC-HFW2431TN-ZS	4MP WDR IR Bullet Network Camera, NTSC		
	DH-IPC-HFW2431TP- VFS	4MP WDR IR Bullet Network Camera, PAL		

DH-IPC-HFW2431TN-

IPC-HFW2431TP-VFS

IPC-HFW2431TN-VFS

PFA130-E

PFA152-E

VFS

Туре