

DH-IPC-HFW2431T-AS-S2

4MP Lite IR Fixed-focal Bullet Network Camera



Series Overview

With upgraded H.265 encoding technology, Dahua Lite series network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better color image in the condition of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying to the standards of IP67 and IK10 (Supported by some select models).

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Starlight

Dahua Starlight technology mainly applies to the environment of low illuminance, and it can provide clear colorful video. Even in the environment of ultra-low illuminance, the technology can guarantee the good image effect.

- \cdot 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520) @20 fps, and supports 2560×1440 (2560 × 1440) @25/30 fps
- · H.265 codec, high compression rate, ultra-low bit rate
- · Built-in IR LED, max IR distance: 80 m
- · Rol, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- \cdot Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- \cdot Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, local alarm, voltage detection, audio detection
- · Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- · 12V DC/POE power support supply
- · IP67 protection, IK10 protection (optional)



IVS

With advanced video algorithm, Dahua IVS technology supports intelligent functions, such as tripwire and intrusion.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Lite Series | DH-IPC-HFW2431T-AS-S2

Technical Specification

| Camera | | | | | |
|----------------------------|--------|---|----------------------|----------------------|---------------------|
| Image Sensor | | 1/3" 4Megapixel progressive CMOS | | | |
| Max. Resolution | | 2688 (H) × 1520 (V) | | | |
| ROM | | 128 MB | | | |
| RAM | | 128 MB | | | |
| Scanning System | | Progressive | | | |
| Electronic Shutter Speed | | Auto/Manual 1/3 s-1/100,000 s | | | |
| Min. Illumination | | 0.008 Lux@F1.6 | | | |
| S/N Ratio | | > 56 dB | | | |
| Illumination Distance | | 80 m (262.5 ft) | | | |
| Illuminator On/Off Control | | Auto/Manual | | | |
| Illuminator Number | | 4 (IR LED) | | | |
| Pan/Tilt/Rotation Range | | Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360° | | | |
| Lens | | | | | |
| Lens Type | | Fixed-focal | | | |
| Mount Type | | M12 | | | |
| Focal Length | | 3.6 mm; 6 mm; 8 mm | | | |
| Max. Aperture | | 3.6 mm: F1.6 6 mm: F1.6 8 mm: F1.6 | | | |
| Field of View | | 3.6 mm: Horizontal 84° × Vertical 45° × Diagonal 100° 6 mm: Horizontal 52° × Vertical 28° × Diagonal 61° 8 mm: Horizontal 40° × Vertical 23° × Diagonal 45° | | | |
| Iris Type | | Fixed | | | |
| Close Focus Distance | | 3.6 mm: 1.4 m (4.6 ft) 6 mm: 3.1 m (10.2 ft) 8 mm:4.9 m(16.1 ft) | | | |
| | Lens | Detect | Observe | Recognize | Identify |
| | 3.6 mm | 80 m (262.5 ft) | 32.0 m (105.0 ft) | 16.0 m (52.5 ft) | 8.0 m (26.2 ft) |
| DORI Distance | 6 mm | 120.0 m (393.7 ft) | 48.0 m (157.5 ft) | 24.0 m (78.7 ft) | 12.0 m (39.4 ft) |
| | 8 mm | 160.0 m (524.9 ft) | 64.0 m (210.0 ft) | 32.0 m (105.0 ft) | 16.0m (52.5 ft) |
| Smart Event | | | | | |
| IVS | | Tripwire; intrusion | | | |
| Video | | | | | |
| Video Compression | | H.265; H.264; H.264B; MJPEG(only supported by the sub stream) | | | |
| Smart Codec | | Smart H.265+/ Smart H.264+ | | | |

Main stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps)

704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)

Sub stream:

2 streams

Video Frame Rate

Stream Capability

| Resolution2688 × 1520(2688 × 1520); 2500 × 1440 (2560 × 1440); M (2048 × 1530); 2304 × 1296 (2304 × 1296); 1000 M (2048 × 1530); 2304 × 1296 (2304 × 1296); 1000 M (2048 × 1530); 2304 × 1296 (2304 × 1296); 2008 D (1704 × 576/704 × 480); VGA (640 × 480); CIF (352 × M (2048 × 1530); 2304 × 1296 (2304 × 1296); 2008 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 D (2018 × 1530); 2304 × 1296 (2304 × 1296); 2018 × 1530; 2018 × | | | | |
|---|--------------------------|---|--|--|
| Index of the set | Resolution | 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × | | |
| Video bit RateH.265: 12 kbps-6144 kbpsDay/NightAuto(ICR)/Color/B/WBLCYesHLCYesWDR120 dBWhite BalanceAuto/natural/street lamp/outdoor/manual/regional customGain ControlAuto/ManualNoise Reduction0F/CN (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage Rotation(7907/1807/270* (Supports 90*/270* with 2688 × 1520) resolution and lower)MirrorYesAudo Compression6.711a; G.711Mu; G.726Audio Compression6.711a; G.711Mu; G.726AurorYesAurorVesAurorSon Card (S) Card full; IBQ ard error; network disconnectron; IP conflict; Illegal access; motion detection; video tampering; triving; autoin gale detection; video tampering; triving; autoin gale detection; video tampering; triving; autoin | Bit Rate Control | CBR/VBR | | |
| No. ControlYesBLCYesHLCYesWDR120 dBWhite BalanceAuto/natural/street lamp/outdoor/manual/regional customGain ControlAuto/ManualNoise Reduction3D NRRegion of Interest (Roi)Yes (4 areas, rectangular)Region of Interest (Roi)Yes (4 areas)Image RotationYesImage RotationCylor/JB0/270° (Supports 90°/270° with 2688 × 1520MirrorYesAudio Compression6.711a; G.711Mu; G.726AlarmYesAudio Compression6.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio alarmNetworkYesNetworkVesSDK and APIYesProtocolVideo encryption; fingwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio pering; tripwire; intrusion; audio pering; tripwire; int | Video Bit Rate | | | |
| HLCYesHLCYesWDR20 dBWhite BalanceAuto/Manual/street lamp/outdoor/manual/regional customGain ControlAuto/ManualNoise ReductionDNRMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Image RotationO'/907/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)MirrorYesAudio CompressionO'/1100°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionO'/30°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionO'/30°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionO'/30°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionO'/30°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionO'/30°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)Audio CompressionSo So card fully SD card fully SD card errory network disconnection; IP conflict; Illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio protycel, MPSR PRCP; RPSP; PDFCP; RSSP, D | Day/Night | Auto(ICR)/Color/B/W | | |
| NumberIso and a set of the set | BLC | Yes | | |
| NumeWhite BalanceCalorationWhite BalanceAuto/ManualGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage RotationCyo/180*/270* (Supports 90*/270* with 2688 × 1520 resolution and lower)MirrorYesPrivacy Masking4 areasAutoio CompressionG.711a; G.711Mu; G.726AlarmSo Card; SD card full; SD card error; network disconnection; PC onfull; SD card error; networkAlarm EventNo SD card; SD card full; SD card error; network disconnection; PC onfull; SD card error; network disconnection; PC onfull; SD card error; network disconnection; PC onfull; SD card error; networkNetworkR-45 10/100 Base-T)SDK and APIVideo encryption; firmware encryption; configuration ercryption; bigest; WSSE; account lockou; security logs; ip/MAC fittering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolNVIF (Profile S/Profile G/Profile T); CGI; Milestone; Cenetce; P2PUser/Host20StorageNVIF (Profile S/Profile G/Profile T); CGI; Milestone; Cenetce; P2PBrowserLi Chrome Ehrone <td>HLC</td> <td>Yes</td> | HLC | Yes | | |
| Write BalancecustomGain ControlAuto/ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage Rotation0'/90'/180'/270' (Supports 90'/270' with 2688 × 1520)MirrorYesPrivacy Masking4 areasAudio Compression6.711a; G.711Mu; G.726AlarmSo SD card; SD card full; SD card error; networkAlarmNo SD card; SD card full; SD card error; networkAlarm EventNo SD card; SD card full; SD card error; networkNetworkRJ-45 (10/100 Base-T)SDK and APIYesSylber SecurityVideo encryption; firmware encryption; configuration ercorption; pligest; WSSE; account lockut; security logs; IP/MAC fittering: generation and importing of X.509ProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMUF; IFTP; STP; DCP: DNS; DDNS; GoS; UPAP; | WDR | 120 dB | | |
| InitialInitialNoise ReductionSD NRMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage Rotation0"/907/180*/270" (Supports 90*/270" with 2688 × 1520 resolution and lower)MirrorYesPrivacy Masking4 areasAudioG.711a; G.711Mu; G.726Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD Card; SD Card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmNetworkRI-45 (10/100 Base-T)SDK and APIVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFD; DHCP; DNS; DDNS; QoS; UPnP; FTM, SMTP; FTP; SFD; DHCP; DNS; DDNS; QoS; UPnP; FTM, SMTP; FTP; STP; DHCP; DNS; DDNS; QoS; UPnP; FTM, SMTP; FTP; STP; DHCP; DNS; DDNS; QoS; UPnP; FTMP; SMTP; FTP; STP; DHCP; DNS; DDNS; QoS; UPnP; FTM; SMTCP; ISMP; FTP; STP; DHCP; DNS; DDNS; QOS; UPnP; FTMP; SMTP; FTP; STP; DHCP; DNS; DDN | White Balance | | | |
| InconcertaintingInconcertaintyMotion DetectionOFF/ON (4 areas, rectangular)Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage RotationVesImage RotationYesMirrorYesPrivacy Masking4 areasAudio CompressionG.711a; G.711Mu; G.726AlarmVesAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio aution; video tampering; tripw | Gain Control | Auto/Manual | | |
| Region of Interest (Rol)Yes (4 areas)Smart IlluminationYesImage Rotation0'/90'/180'/270' (Supports 90'/270' with 2688 × 1520 resolution and lower)MirrorYesPrivacy Masking4 areasAudio6.711a; G.711Mu; G.726Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; intrusion; audio certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade execution; trusted upgrade executio; trusted upgrade executio; trusted upgradeInteroperabilityQNVIF (Profile S/Profile G/Profile T); CG; Milestone; Genetec; P2PUser/Host20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NAS <t< td=""><td>Noise Reduction</td><td colspan="2">3D NR</td></t<> | Noise Reduction | 3D NR | | |
| Smart IlluminationYesImage Rotation0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)MirrorYesPrivacy Masking4 areasAudio6.711a; G.711Mu; G.726Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; video tampering; tripwire; protocolRyber SecurityVideo encryption; Digest; WSSE; account lockout; security loges; lP/MAC filtering; generation and inporting of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeRyber SecuritySuppering trips; SHTP; SHTP; Micro SD Card (support max. 256 GB); NASInteroperabilityLo <tr< td=""><td>Motion Detection</td><td>OFF/ON (4 areas, rectangular)</td></tr<> | Motion Detection | OFF/ON (4 areas, rectangular) | | |
| Image RotationO'90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower)MirrorYesPrivacy Masking4 areasAudio | Region of Interest (RoI) | Yes (4 areas) | | |
| Image Rotationresolution and lower)MirrorYesMirrorYesPrivacy Masking4 areasAudioG.711a; G.711Mu; G.726Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmAlarm EventNo SD card; SD card (SD card (SD card error; network disconnection; IP conflict; illegal access; motion detection; voltage detection; security exception; local alarmNetworkRJ-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; piges; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; sylog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperability20User/Host20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Errox | Smart Illumination | Yes | | |
| Privacy Masking4 areasAudio6.711a; G.711Mu; G.726Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; Illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; volage detection; security exception; local alarmAlarm EventNo SD card; SD Card full; SD card error; network detection; video tampering; tripwire; intrusion; audio detection; volage detection; security exception; local alarmNetworkRI-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; certification; syslog; HTTPS; 802.1x; trusted boot; trusted upradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMITP; FTP; SFTP; DHCP; DMS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPDeE; BonjourInteroperability20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Errome Errom | Image Rotation | | | |
| AudioAudio CompressionG.711a; G.711Mu; G.726AlarmAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmNetworkRI-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QOS; UPNP; NTP; Multicast; ICMP! IGMP; NSTS; PDDOE; BonjourInteroperability0NVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Firreome Chrome Firreome Chrome <br< td=""><td>Mirror</td><td>Yes</td></br<> | Mirror | Yes | | |
| Audio CompressionG.711a; G.711Mu; G.726AlarmNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; voltage detection; security exception; local alarmNetworkRI-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20BrowserIE Chrome FirefoxBrowserIE Chrome Firefox | Privacy Masking | 4 areas | | |
| AlarmAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmNetworkRJ-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP, DHCP; DNS; DDNS; QoS; UPPP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourUser/Host20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Firefox | Audio | | | |
| NameAlarm EventNo SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmNetworkRJ-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperability20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Firefox | Audio Compression | G.711a; G.711Mu; G.726 | | |
| Alarm Eventdisconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarmNetworkRJ-45 (10/100 Base-T)NetworkVesSDK and APIVesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.S09 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourUser/Host20BrowserIE Chrome Firefox | Alarm | | | |
| NetworkRJ-45 (10/100 Base-T)SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPV4; IPV6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20BrowserIE Chrome Firefox | Alarm Event | disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local | | |
| SDK and APIYesCyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; | Network | | | |
| Cyber SecurityVideo encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPNP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20BrowserIE Chrome Firefox | Network | RJ-45 (10/100 Base-T) | | |
| Cyber Securityencryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.S09 certification; syslog; HTTPS; 802.1x; trusted boot; trusted upgradeProtocolIPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20BrowserIE Chrome Firefox | SDK and API | Yes | | |
| ProtocolRTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPOE; BonjourInteroperabilityONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2PUser/Host20StorageFTP; SFTP; Micro SD Card (support max. 256 GB); NASBrowserIE Chrome Firefox | Cyber Security | encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted | | |
| Interoperability Genetec; P2P User/Host 20 Storage FTP; SFTP; Micro SD Card (support max. 256 GB); NAS Browser IE Chrome Firefox | Protocol | RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; | | |
| Storage FTP; SFTP; Micro SD Card (support max. 256 GB); NAS Browser IE Chrome Firefox | Interoperability | | | |
| IE Browser Chrome Firefox | User/Host | 20 | | |
| Browser Chrome Firefox | Storage | FTP; SFTP; Micro SD Card (support max. 256 GB); NAS | | |
| Management Software Smart PSS; DSS; DMSS | Browser | Chrome | | |
| | Management Software | Smart PSS; DSS; DMSS | | |

Lite Series | DH-IPC-HFW2431T-AS-S2

| Mobile Phone | IOS; Android | |
|----------------------|---|--|
| Certification | | |
| 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 | |
| Port | | |
| Audio Input | 1 channel (RCA port) | |
| Audio Output | 1 channel (RCA port) | |
| Alarm Input | 1 channel in: 5mA 3V–5V DC | |
| Alarm Output | 1 channel out: 300mA 12V DC | |
| Power | | |
| Power Supply | 12V DC/PoE (802.3af) | |
| Power Consumption | < 7.7W | |
| Environment | | |
| Operating Conditions | –40°C to +60°C (–40°F to +140°F)/less than \leq 95% RH | |
| Storage Temperature | -40°C to +60°C (-40°F to +140°F) | |
| Protection Grade | IP67; IK10(optional) | |
| Structure | | |
| Casing | Metal | |
| Dimensions | 244.1 mm × Φ90.4 mm (9.61" × Φ3.26") | |
| Net Weight | 0.91 kg (2.0 lb) | |
| Gross Weight | 1.16 kg (2.6 lb) | |
| | | |

Ordering Information

| Туре | Part Number | Description | |
|---------------------------|------------------------|---|--|
| 4MP Camera | DH-IPC-HFW2431TP-AS-S2 | 4MP Lite IR Fixed-focal Bullet Nework Camera,PAL | |
| | DH-IPC-HFW2431TN-AS-S2 | 4MP Lite IR Fixed-focal Bullet Nework Camera,NTSC | |
| Accessories (optional) | PFA130-E | Junction Box | |
| | PFA152-E | Pole Mount | |
| | PFM321D | 12V DC 1A Power Adapter | |
| | LR1002-1ET/1EC | Single-port Long Reach Ethernet over Coax Extender | |
| | PFM900-E | Integrated Mount Tester | |
| | PFM114 | TLC SD card | |

Accessories

Optional:



Junction Box

1 in 1

1 in 1





PFA152-E Pole Mount



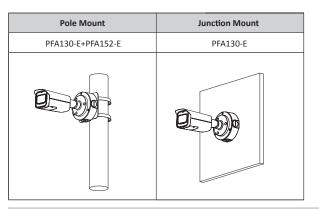


PFM114

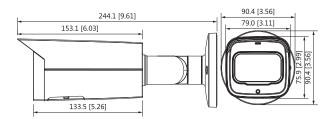
TLC SD Card

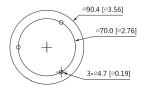
LR1002-1ET/1EC P Single-port Long Integ Reach Ethernet over Coax Extender

PFM900-E Integrated Mount Tester



Dimensions (mm[inch])





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