

DH-IPC-HFW4230M-4G-AS-I2

2MP 4G IR Bullet Network Camera



- 1/2.9" 2Megapixel progressive CMOS
- H.265&H.264 dual-stream encoding
- 25/30fps@2M(1920×1080)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) &DMSS
- Micro SD card slot, up to 256GB
- 3.6mm,6mm fixed lens
- Max. IR LEDs Length 40m
- 4G supported
- IP67



System Overview

The 4G supported IR bullet camera delivers 2MP resolution with a 3.6mm or 6mm fixed lens. The camera can be connected to mobile internet as long as you have a SIM card, provides an excellent choice for a variety of small to mid-size applications such as off-grid system, farms, forest, border, etc.

Functions

4G

The camera can be connected to Mobile Internet as long as you have a SIM card, then you can place it anywhere and no need to worry about the wiring hassles.

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 40m (131.2ft).

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ 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.

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.

| Technical Specification | | | | |
|--------------------------|---|------------|------------|-----------|
| Model | DH-IPC-HFW4230M-4G-AS-I2 | | | |
| Camera | | | | |
| Image Sensor | 1/2.9" 2Megapixel progressive scan CMOS | | | |
| Effective Pixels) | 1920(H) x 1080(V) | | | |
| RAM/ROM | 256MB/32MB | | | |
| Scanning System | Progressive | | | |
| Minimum Illumination | 0.04Lux/F2.0(Color,1/3s,30IRE) 0.22Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on) | | | |
| S/N Ratio | More than 56dB | | | |
| IR Distance | Distance up tp 40m (131.2ft) | | | |
| IR On/Off Control | Auto/ Manual | | | |
| IR LEDs | 2 | | | |
| Lens | | | | |
| Lens Type | Fixed | | | |
| Mount Type | M12 | | | |
| Focal Length | 3.6mm (6mm optional) | | | |
| Max. Aperture | F2.0 | | | |
| Angle of View | H: 82.5° (51.5°), V: 44° (29.5°) | | | |
| Optical Zoom | N/A | | | |
| Focus Control | Fixed | | | |
| Close Focus Distance | 0.9m(2m) 29.5ft(6.56ft) | | | |
| DORI Distance | Lens | Detect | Observe | Recognize |
| | 3.6mm | 53m(174ft) | 21m(69ft) | 10m(33ft) |
| | 6mm | 80m(262ft) | 32m(105ft) | 16m(52ft) |
| Pan/Tilt/Rotation | | | | |
| Pan/Tilt/Rotation Range | N/A | | | |
| Intelligence | | | | |
| 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 | Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal Access,Storage anomaly | | | |

| | |
|--------------------------------------|--|
| Frame Rate | Main Stream: 1080P@25fps |
| | Sub Stream: D1@25fps |
| Bit Rate Control | CBR/VBR |
| Bit Rate | H.264: 32~10240Kbps H.265: 12~6400Kbps |
| Day/Night | Auto ICR |
| BLC Mode | BLC / HLC / DWDR |
| White Balance | Auto/Natural/Street Lamp/Outdoor/Manual |
| Gain Control | Auto |
| Noise Reduction | 3D DNR |
| Motion Detection | Off / On (4 Zone, Rectangle) |
| Region of Interest | Off / On (4 Zone) |
| Electronic Image Stabilization (EIS) | N/A |
| Smart IR | Support |
| Defog | N/A |
| Digital Zoom | N/A |
| Flip | 0°/90°/180°/270° |
| Mirror | Off / On |
| Privacy Masking | Off / On (4 Area, Rectangle) |
| Audio | |
| Compression | G.711a/ G.711Mu/ AAC/ G.726 |
| Network | |
| Ethernet | RJ-45 (10/100Base-T) |
| Mobile Communication | 4G |
| Operating band | Model 1: TDD-LTE:Band38/39/40/41 FDD-LTE:Band1/3/5/8 WCDMA:Band1/8 TD-SCDMA:Band34/39 EVDO/CDMA1X:BC0 GSM:Band3/8 Model 2: FDD-LTE:Band1/2/3/4/5/7/8/20 UMTS:Band1/2/5/8 GSM:850/900/1800/1900 |
| Protocol | HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPV4/IPv6;QoS;UPnP; NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLS |
| Interoperability | ONVIF Profile S&G, API |
| Streaming Method | Unicast / Multicast |
| Max. User Access | 10 Users /20 Users |
| Edge Storage | NAS Local PC for instant recording Mirco SD card 256GB |
| Web Viewer | IE, Chrome, Firefox, Safari |
| Management Software | Smart PSS, DSS, DMSS |
| Smart Phone | IOS, Android |

Certifications

| | |
|----------------|---|
| Certifications | CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B |
|----------------|---|

Interface

| | |
|-----------------|--|
| Audio Interface | 1/1 channel In/Out |
| Alarm | 2 channel In: 500mA 5VDC 2 channel Out: 300mA 12VDC |

Electrical

| | |
|-------------------|---|
| Power Supply | DC12V±30% |
| Power Consumption | 3.6W, 9.5W(IR on); 6W(4G on, IR off) |

Environmental

| | |
|----------------------|--|
| Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
| Storage Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
| Ingress Protection | IP67 |
| Vandal Resistance | N/A |

Construction

| | |
|--------------|--|
| Casing | Metal+Plastic |
| Dimensions | 194.4mm×96.6mm×89.5mm (7.65"×3.8"×3.52") |
| Net Weight | 0.7kg (1.54lb) |
| Gross Weight | 0.8kg (1.76lb) |

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Ordering Information

| Type | Part Number | Description |
|------------------------|--------------------------------|---------------------------------------|
| 2MP camera | DH-IPCHFW4320MP-4G-AS-I2-0360B | 2MP 4G IR Bullet Network Camera, PAL |
| | DH-IPCHFW4320MN-4G-AS-I2-0360B | 2MP 4G IR Bullet Network Camera, NTSC |
| | IPC-HFW4320MP-4G-AS-I2-0360B | 2MP 4G IR Bullet Network Camera, PAL |
| | IPC-HFW4320MN-4G-AS-I2-0360B | 2MP 4G IR Bullet Network Camera, NTSC |
| | DH-IPCHFW4320MP-4G-AS-I2-0600B | 2MP 4G IR Bullet Network Camera, PAL |
| | DH-IPCHFW4320MN-4G-AS-I2-0600B | 2MP 4G IR Bullet Network Camera, NTSC |
| | IPC-HFW4320MP-4G-AS-I2-0600B | 2MP 4G IR Bullet Network Camera, PAL |
| | IPC-HFW4320MN-4G-AS-I2-0600B | 2MP 4G IR Bullet Network Camera, NTSC |
| Accessories (optional) | PFB121W | Wall mount bracket |
| | PFB110W | Ceiling mount bracket |

Accessories

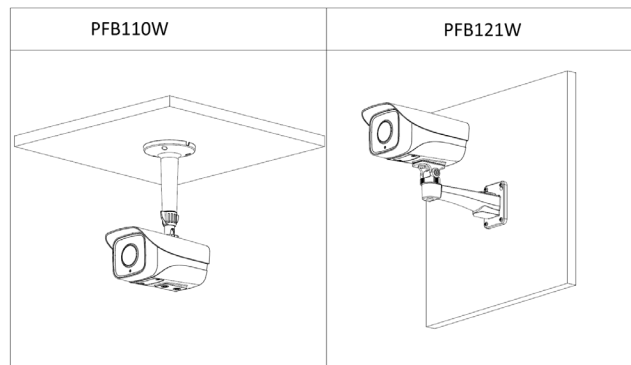
Optional:



PFB110W
Ceiling mount



PFB121W
Wall mount



Dimensions (mm/inch)

