# Megapixel Vandal-proof Fisheye

## 4MP 360° Fisheye Network Camera



- Max 20fps@4MP (2688×1520) & 30fps@3MP (2304×1296)
- Electronic D/N
- DWDR
- 1/1 Alarm in/out
- Built in Mic
- Vandal Resistant IK10
- Intelligent Video System (optional)
- Onboard Storage




### System Overview

The Megapixel Fisheye camera delivers 4MP resolution. 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.

### Functions

**Panorama**

Dahua's Fisheye cameras allow for a 360-degree hemispherical image that can be dewarped in order to view individual elements separately. In environments that require broad coverage, panoramic cameras can do the job alone where several cameras would be needed otherwise. With a high resolution sensor providing a 360-degree view, blind spots are eliminated. Easy to install on a ceiling or wall, these cameras are well-suited for office buildings, parking garages, gas stations, and retail environments.

**Regions of Interest**

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas.

**Intelligent Video System (IVS)**

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. IVS also supports Heat map , exporting the daily or hours report that shows the hottest area. Features only available to models ending with the letter "I".

**Protection**

The camera's outstanding reliability is unsurpassed due to its rugged design. With its IK10 rated impact resistant design, the camera provides maximum durability against vandals making it capable of withstanding the equivalent of 55 kg (120lbs) of force.

Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protection against the camera and its structure from the effects of lightning.

**Streaming**

With a choice of unicast or multicast streaming, bandwidth-efficient viewing, recording and third-party video management can easily be achieved. Multiple streaming enables bandwidth-efficient viewing and recording. Depending on the resolution and frame rate selected on the first stream, the second and third stream provides a copy at a lower resolution.

## Technical Specification

### Camera

| | |
|---|---|
| **Image Sensor** | 1/3" CMOS |
| **Effective Pixels** | 2592(H ) x 1520(V) |
| **ROM / RAM** | 128MB / 256MB |
| **Scanning System** | Progressive |
| **Electronic Shutter Speed** | 1/3(4) ~ 1/100,000s |
| **Minimum Illumination** | Color: 0.01Lux@F2.0;<br>B/W: 0.001Lux@F2.0 |
| **S/N Ratio** | More than 50dB |

### Lens

| | |
|---|---|
| **Lens Type** | Fixed |
| **Mount Type** | Board-in |
| **Focal Length** | 1.18mm |
| **Max Aperture** | F2.0 |
| **Angle of View** | H: 180° |
| **Focus Control** | Fixed |

### Alarm and Audio

| | |
|---|---|
| **Alarm In/Out** | 1/1 |
| **Audio In/Out** | 1/1 Built in Mic |

### Video

| | |
|---|---|
| **Compression** | H.264 / MJPEG |
| **Streaming Capability** | 3 Streams |
| **Resolution** | 4MP (2592×1520)/3MP (2048×1520)/UXGA (1600×1200) /1.3MP (1280×960)/720p (1280×720)/D1 (704×576/704×480) /CIF (352×288/352×240) |
| **Frame Rate** | Main Stream 4MP (1~15fps), 3MP (1 ~ 30fps) |
| | Sub Stream 1 D1/CIF (1 ~ 30fps) |
| | Sub Stream 2 720p (1 ~ 20fps) |
| **Bit Rate Control** | CBR / VBR |
| **Bit Rate** | H.264: 20K ~ 8192Kbps |
| **Day/Night** | Auto (Electronic) / Color / B/W |
| **BLC Mode** | BLC / HLC / DWDR |
| **White Balance** | Auto / Manual |
| **Gain Control** | Auto / Manual |
| **Noise Reduction** | 3D DNR |
| **Motion Detection** | Off / On (4 Zone, Rectangle) |
| **Region of Interest** | Off / On (4 Zone) |
| **Smart IR** | N/A |
| **Privacy Masking** | Off / On (4 Area, Rectangle) |

### Intelligent Function

| | |
|---|---|
| **IVS (optional)** | Heat Map |

### Network

| | |
|---|---|
| **Ethernet** | RJ-45 (10/100Base-T) |
| **Protocol** | IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x |
| **Interoperability** | ONVIF, PSIA, CGI |
| **Streaming Method** | Unicast / Multicast |
| **Max. User Access** | 20 |
| **Edge Storage** | NAS (Network Attached Storage), Local PC for instant recording, Micro SD 64GB |
| **Web Viewer** | IE10.... |
| **Management Software** | Smart PSS, DSS |
| **Smart Phone** | Android, Ios |

## Certifications

| | |
|---|---|
| **Certifications** | FCC (SEFD1501096-A )<br>UL (E234884-A37-UL) |

## Electrical

| | |
|---|---|
| **Power Supply** | 12V DC ±25%, PoE (af Class 0) |
| **Power Consumption** | Max. 6.0W (12V DC, IR On) |

## Environmental

| | |
|---|---|
| **Operating Conditions** | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH |
| **Storage Conditions** | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH |
| **Vandal Resistance** | IK10 |

## Construction

| | |
|---|---|
| **Casing** | Metal + Plastic |
| **Dimensions** | Φ110mm × 54mm (Φ4.33" × 2.12") |
| **Net Weight** | 0.25Kg (0.55lb) |
| **Gross Weight** | 0.34Kg (0.75lb) |

## Accessories

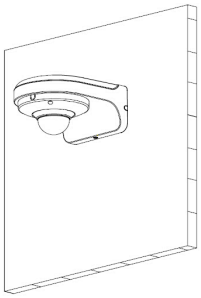
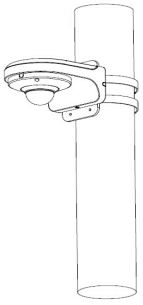
Optional:



**PFB203W**
**Wall mount**



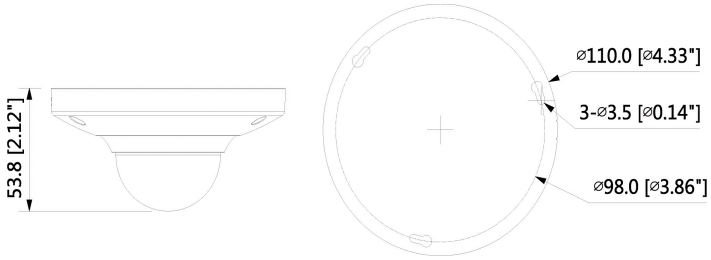
**PFA152**
**Pole mount**

| Wall Mount | Pole Mount |
|---|---|
| **PFB203W** | **PFB203W+PFA152** |
|  |  |

## Ordering Information

| Type | Part Number | Description |
|---|---|---|
| 4MP Camera | DH-IPC-EB54A0N | 4MP, 1.18mm, 360° panoramic, DWDR, IK10, PoE |
| | DH-IPC-EB54A0N-I | 4MP, 1.18mm, 360° panoramic, DWDR, IK10 , PoE, IVS |
| Accessories | PFA203W | Wall Mount |
| | PFA152 | Pole Mount Bracket |

## Dimensions (mm/inch)





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