

# Megapixel Vandal-proof Fisheye

## 4MP 360° Fisheye Network Camera



- Max 20 fps at 4MP (2688 × 1520) and 30 fps at 3MP (2304 × 1296)
- Electronic D/N
- Digital WDR
- 1/1 Alarm in/out
- Built in Microphone
- Vandal Resistant IK10
- Intelligent Video System (IVS)
- Onboard Storage
- Five-year Warranty



Vandal-proof



Heat Map

### 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.

### 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  $\pm 25\%$  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; 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 (2592x1520)/3MP (2048x1520)/UXGA (1600x1200) /1.3MP (1280x960)/720p (1280x720)/D1 (704x576/704x480) /CIF (352x288/352x240)
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)

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	IE 10, Firefox, Safari
Management Software	Smart PSS, DSS
Mobile Operating System	Android, IOS

## Certifications

<b>Certifications</b>	FCC (SEFD1501096-A ) UL (E234884-A37-UL)
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## Electrical

<b>Power Supply</b>	12V DC $\pm 25\%$ , PoE (af Class 0)
<b>Power Consumption</b>	Max. 6.0W (12V DC, IR On)

## Environmental

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

## Construction

<b>Casing</b>	Metal + Plastic
<b>Dimensions</b>	$\Phi 110$ mm $\times$ 54 mm ( $\Phi 4.33$ " $\times$ 2.12")
<b>Net Weight</b>	0.25 kg ( 0.55 lb)
<b>Gross Weight</b>	0.34 kg (0.75 lb)

## Intelligence

IVS triggers an alarm and takes a defined action for the following events:

<b>Standard Features</b>	Tampering with the camera. Error writing to an onboard Micro SD card. Error sending or receiving data over the network. Unauthorized access to the camera.
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## Premium Features

<b>Motion</b>	An object moves through any part of the scene.
<b>Tripwire</b>	A target crosses a user-defined line.
<b>Intrusion</b>	A target enters or exits a defined perimeter.
<b>Scene Change</b>	A person or object moves the camera to change the scene or covers the camera to obscure the scene.
<b>Abandoned/Missing Object</b>	A target leaves an object in designated area, or a target removes an object from the same designated area.

## Advanced Features

<b>Heat Map</b>	Generates a visual representation of data.
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## Accessories

Optional:



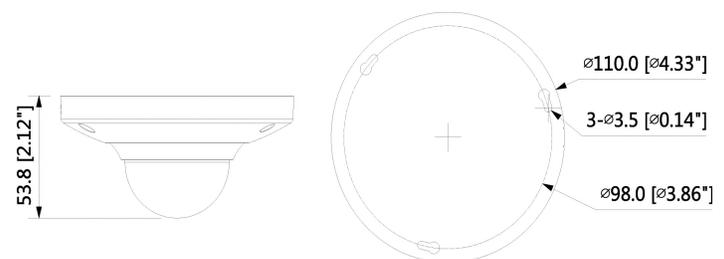
**PFB203W**  
Wall mount



**PFA152**  
Pole mount

Wall Mount	Pole Mount
<b>PFB203W</b>	<b>PFB203W+PFA152</b>

## Dimensions (mm/inch)



## Ordering Information

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