

IR Fisheye Camera

6 MP HD Vandal-proof Network IR-Fisheye Camera



- H.264 and MJPEG Dual Encoding
- Max. 25/30 fps @ 6. MP (3072 x 2048)
- Multiple Dewarp Modes
- Digital WDR and Day/Night (ICR) Imager
- Max.IR LED Length 10 m (33 ft)
- IP67 Ingress Protection and IK10 Vandal Resistance

System Overview

The Megapixel Fisheye camera delivers 6MP 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.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Smart IR

The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR prevents IR LEDs from whiting out images as they come closer to the camera. The camera's integrated IR illumination provides high performance in extreme low-light environments up to 10m (33ft).

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)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the multi-sensor camera supports face detection to quickly capture a face and upload the image to a server. The multi-sensor camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

Protection

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust to IP67 standards, making it suitable for indoor or outdoor environments. 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	1/1.8-in. Exmor R CMOS
Effective Pixels	3072(H) x 2048(V)
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3(4) s to 1/100000 s
Minimum Illumination	Color: 0.01 lux @ F2.8; B/W: 0 lux (IR on)
S/N Ratio	More than 50 dB
IR Distance	10 m (33 ft)
IR On/Off Control	Auto / Manual

Lens

Lens Type	Fixed Lens
Mount Type	Board-in
Focal Length	1.3 mm
Max Aperture	F2.8
Angle of View	180°/360°
Focus Control	Manual

Intelligence

Auto Tracking	Single-scene, multiple-scene, panorama-scene
IVS (optional)	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving
Advanced Intelligent Functions	Face Detection
Tracking Trigger Mode	Manual / Auto (alarm triggered)
Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm

Video

Compression	H.264H/H.264B/H.264/MJPEG
Streaming Capability	3 Streams
Resolution	6 MP (3072 × 2048) 4 MP (2048 × 2048) 3 MP (2048 × 1536) UVGA (1600 × 1200) 1.3 MP (1280 × 960) D1 (704 × 576/704 × 480) CIF (352 × 288/342 × 240)
Frame Rate	Main Stream: 6 MP (1 to 25/30 fps) Sub Stream 1: D1/CIF(1 to 25/30 fps) Sub Stream 2: 1.3 MP/D1(1 to 25/30 fps)
Bit Rate Control	CBR / VBR
Bit Rate	8 to 12288 Kbps
De-warp Modes	Original, Panoramic, Double panoramic, 1+3, E-PTZ, 4 pictures
Day/Night	Auto (ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto, Manual
Gain Control	Auto / Manual
Noise Reduction	3D
Privacy Masking	Up to 4 areas

Audio

Compression	G.711a, G.711Mu, G.726, AAC
Interface	1/1 channel In/Out, built-in mic

Network

Ethernet	RJ-45 (10/1000 Base-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, ARP
Interoperability	ONVIF PSIA CGI
Max. User Access	20
Web Viewer	IE10
Smart Phone	Android, IOS

Certifications

Certifications	FCC (SEFV1505157-A) UL (E234884-A125-UL)
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Interface

Memory Slot	Micro SD, up to 64GB
Alarm	2/1 In/Out

Eelectrical

Power Supply	DC12V, PoE (802.3af)
Power Consumption	Max. 13 W

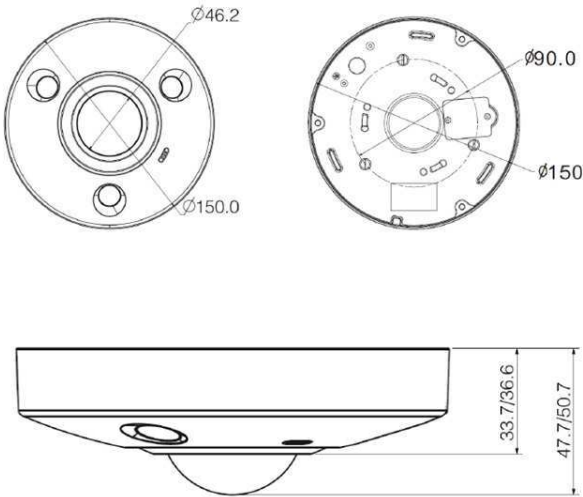
Environmental

Operating Conditions	-30°C to +60°C (-22°F to +140°F), Less than 90% RH
Storage Conditions	-30°C to +60°C (-22°F to +140°F), Less than 90% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Dimensions	Φ150 mm x 50.7 mm (Φ 5.91 in. x 1.99 in.)
Net Weight	0.58 kg (1.28 lbs)
Gross Weight	0.86 kg (1.90 lbs)

Dimensions (mm)



Ordering Information

Type	Part Number	Description
Fisheye Camera	DH-IPC-EBW8600-IVC	6MP Vandal-proof Network IR Fisheye camera ,True WDR, IP67
Accessories	PFA100	Wall Mount
	PFB302S	Wall Mount
	PFA132	Junction Box
	PFA152	Pole Mount
	PFA151	Corner Mount