

DH-IPC-EBW8630

6MP Panoramic Network IR Fisheye Camera



System Overview

Dahua fisheye camera is an expert at panoramic surveillance with low-profile design. With a fisheye lens, the camera can provide a high quality 180° or 360° panoramic views without blind spots, making it ideal for wide and open areas, such as airports, shopping malls, banks, hotels, stores, offices and more. The camera can offer different views including 360° overview and dewarped views such as panorama view, double views and quad views.

Functions

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.

Panoramic

Panoramic cameras provide 180°, 360° full range of video scene, bringing people a new sense of real live and interactive experience. Dahua provides two kinds of panoramic camera, single lens fisheye camera and multi-lens camera, both of them can offer 180-degree & 360-degree panoramic image. Through working together with PTZ camera which offer whole scene and region details at same time. It provided new surveillance experience to end user and improved the surveillance quality.

Business intelligent analysis (Heatmap)

Dahua fisheye camera also supports advanced intelligent feature like heat map besides basic IVS functions. The heatmap function can be applied to business intelligence and bring extra values to customers. The heat map function based on a moving object in time of space movement for analysis, find the most active area and output the report, which is to provide valuable data support for commercial applications.

Smart IR

With IR illumination, detailed images can be captured in low light or

- · 1/1.8" 6Megapixel progressive scan STARVIS™ CMOS
- · H.265/H.264 triple-stream encoding
- · Max 25/30fps@6M(3072x2048)
- · Multiple dewarped Mode
- · Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Smart detection
- · Intelligent Function
- · Max. IR LEDs length 10m
- . Micro SD memory, IP67, IK10, PoE













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 10m (33ft).

HEVC(H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology , while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include : Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity , etc

Protection (IP67, IK10, wide voltage)

Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments. IK10 compliance enables the camera to sustain the equivalent of 55 kg (120lbs) force.



Technical Specification						Day/Night	Auto(ICR) / Color / B/W
Camera						BLC Mode	BLC / HLC / WDR
Image Sensor	1/1.8" 6Megapixel progressive scan CMOS					White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels	3072(H)x2048(V)					Gain Control	Auto/Manual
RAM/ROM	1024MB/128MB					Noise Reduction	3D DNR
Scanning System	Progressive					Motion Detetion	Off / On (4 Zone, Rectangle)
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s					Region of Interest	Off / On (4 Zone)
Minimum Illumination	0.002Lux/F2.0(Color,1/3s,30IRE) 0.02Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)					Electronic Image Stabilization(EIS)	N/A
S/N Ratio	More than 50dB					Smart IR	Support
IR Distance	Distance up to 10m(33ft)					Defog	Support
IR On/Off Control	Auto/ Manual					Digital Zoom	16x
IR LEDs	3					Flip	N/A
Lens					Mirror	N/A	
Lens Type	Fixed				Privacy Masking	Off / On (4 Area, Rectangle)	
Mount Type	Board-in					Audio	
Focal Length	1.7mm					Compression	G.711a/G.711Mu/AAC/ G.726
Max. Aperture	F2.0					Network	
Angle of View	H: 180°, V:180°					Ethernet	RJ-45 (100/1000Base-T)
Optical Zoom	N/A					Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHC P;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjoui ;802.1x;Multicast;ICMP;IGMP;SNMP
Focus Control	Fixed					Interoperability	ONVIF, PSIA, CGI
Close Focus Distance	N/A					Streaming Method	Unicast / Multicast
DORI Distance	Detect	Observe	Recognize	Identify		Max. User Access	10 Users/20 Users
Pan/Tilt/Rotation	28m(92ft)	11m(36ft)	6m(19ft)	3m(9ft)		Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB
Pan/Tilt/Rotation Range	N/A					Web Viewer	IE, Chrome, Firefox, Safari
Intelligence						Management Software	Smart PSS, DSS, Easy4ip
IVS	Tripwire, In	Tripwire, Intrusion				Smart Phone	IOS, Android
Advanced Intelligent Functions	Heat Map					Certifications	
Video							CE (EN 60950:2000)
Compression	H.265/H.26	H.265/H.264				Certifications	UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability	3 Streams	3 Streams				Interface	
	6M(3072×2	048)/ 4M(204	18x2048)/ 3M	(2048x1536)/		Video Interface	N/A
Resolution	UXGA(1600x1200)/ 1.3M(1280x960)/ D1(704×576/704×480)/ CIF(352×288/352×240)					Audio Interface	1/1 channel In/Out, 1 Built-in Mic
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Frame Rate	Main Stream: $6M(1^{\sim}25/30 fps)$ Sub Stream: $D1(1^{\sim}25/30 fps)$					Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC
	Third Stream: 1.3M(1 ~ 25/30fps)					Electrical	
Bit Rate Control	CBR/VBR					Power Supply	DC12V, PoE (802.3af)(Class 0)
Bit Rate	H.265: 3Kbps~ 9984Kbps H.264: 8Kbps~ 16384Kbps					Power Consumption	<12W

Panoramic Series | DH-IPC-EBW8630

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
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Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Φ149.8mm×50.7mm(Φ5.9"×2")
Net Weight	0.58kg(1.28lb)
Gross Weight	1.0kg(2.2lb)

Ordering Information Type Part Number Description 6MP Panoramic Network IR Fisheye Camera, PAL DH-IPC-EBW8630P 6MP Panoramic Network IR Fisheye Camera,NTSC DH-IPC-EBW8630N 6MP camera 6MP Panoramic Network IR Fisheye Camera, PAL IPC-EBW8630P 6MP Panoramic Network IR Fisheye IPC-EBW8630N Camera,NTSC PFA100 Mount Adapter PFB302S Wall Mount PFA152 Pole Mount Accessories (optional) PFA105 Mount Adapter PFA110 Mount Adapter PFB300C Ceiling Mount

Accessories

Optional:







PFA100 Mount Adapter

PFB302S Wall Mount

PFA152 Pole Mount







PFA110 Mount Adapter



Wall Mount	Pole Mount	
PFA100+PFB302S	PFA100+PFB302S+PFA152	
Ceiling Mount		
PFA105+PFA110+PFB300C		



