

DH-IPC-EBW8630-IVC

6MP Panoramic Network IR Fisheye Camera with Panamorph Lens



System Overview

The fisheye camera incorporates Panamorph Technology from ImmerVision Enables®, an industry leader in 360° solutions and applications. Panomorph technology is comprised of patented panomorph optics and viewing functionality for optimal 360° image quality. The panomorph optic includes magnified zones of interest based on an innovative distortion control concept. The viewing functionality removes all added distortion and enables 360° immersive navigation within live or recorded 360° video.ImmerVision Enables® is the only universally-accepted 360° dewarping standard; all major VMS platforms and camera vendors support this technology. This support gives you the freedom to choose the VMS platform of your video surveillance system that best meet your requirements.

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

- · 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
- . Panamorph Lens RPL: B4QQV













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 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 / DWDR		
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	0.005Lux/F2.8(Color,1/3s,30IRE) 0.05Lux/F2.8(Color,1/30s,30IRE) 0Lux/F2.8(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/ Manu	Auto/ Manual				Digital Zoom	16x
IR LEDs	3	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	1.3mm				Compression	G.711a/G.711Mu/AAC/ G.726	
Max. Aperture	F2.8				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;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour	
Focus Control	Fixed					;802.1x;Multicast;ICMP;IGMP;SNMP	
Close Focus Distance	N/A					Interoperability	ONVIF, PSIA, CGI
DOPI Distance	Detect	Observe	Recognize	Identify		Streaming Method	Unicast / Multicast
DORI Distance	21m(69ft)	8m(26ft)	4m(13ft)	2m(7ft)		Max. User Access	10 Users/20 Users
Pan/Tilt/Rotation						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	trusion				Smart Phone	IOS, Android
Advanced Intelligent Functions	Heat Map					Certifications	
Video Compression	H.265/H.26	4				Certifications	CE (EN 60950:2000) UL:UL60950-1
Streaming Capability	3 Streams					6	FCC: FCC Part 15 Subpart B
	EM/2077>>0040\/ AM/2040>>0040\/ 2M/2040>1E26\/			Interface			
Resolution	6M(3072×2048)/ 4M(2048x2048)/ 3M(2048x1536)/ UXGA(1600x1200)/ 1.3M(1280x960)/ D1(704×576/704×480)/ CIF(352×288/352×240)					Video Interface	N/A
				,		Audio Interface	1/1 channel In/Out, 1 Built-in Mic
	Main Stream: 6M(1~25/30fps)					RS485	N/A
Frame Rate	Sub Stream: D1(1 ~ 25/30fps)					Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC
		m: 1.3M(1 ~ 2	5/30fps)			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-IVC

Environmental

Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +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					
Туре	Part Number	Description			
6MP camera	DH-IPC-EBW8630P-IVC	6MP Panoramic Network IR Fisheye Camera, PAL			
	DH-IPC-EBW8630N-IVC	6MP Panoramic Network IR Fisheye Camera,NTSC			
	IPC-EBW8630P-IVC	6MP Panoramic Network IR Fisheye Camera, PAL			
	IPC-EBW8630N-IVC	6MP Panoramic Network IR Fisheye Camera,NTSC			
	PFA100	Mount Adapter			
Accessories (optional)	PFB302S	Wall Mount			
	PFA152	Pole Mount			
	PFA105	Mount Adapter			
	PFA110	Mount Adapter			
	PFB300C	Ceiling Mount			

Accessories

Optional:







PFA100 Mount Adapter

PFB302S Wall Mount

PFA152 Pole Mount







PFA110 Mount Adapter



PFB300C Ceiling Mount

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

Dimensions (mm/inch) 50.7 [2"] \$\times 90.0 [\varnothing 3.54"] 3-\varnothing 6.2 [\varnothing 0.25"]

