

DH-IPC-EBW81230

12MP 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

- · 1/1.7" 12Megapixel progressive scan STARVIS™ CMOS
- · H.265/H.264 triple-stream encoding
- · Max 25fps@12M(4000x3000)
- · 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				
Camera				
Image Sensor	1/1 7" 12Me	eganixel nrogr	essive scan C	MOS
Effective Pixels	1/1.7" 12Megapixel progressive scan CMOS 4000(H)x3000(V)			
RAM/ROM	1024MB/128MB			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s			
Minimum Illumination	0.001Lux/F2.8(Color,1/3os,30IRE) 0.01Lux/F2.8(Color,1/30s,30IRE) 0Lux/F2.8(IR on)			
S/N Ratio	More than 50dB			
IR Distance	Distance up	to 10m(33ft)		
IR On/Off Control	Auto/ Manual			
IR LEDs	3			
Lens				
Lens Type	Fixed			
Mount Type	Board-in			
Focal Length	1.98mm			
Max. Aperture	F2.8			
Angle of View	H: 180°, V:180°			
Optical Zoom	N/A			
Focus Control	Fixed			
Close Focus Distance	N/A			
DORI Distance	Detect 42m(138ft)	Observe 17m(56ft)	Recognize 8m(27ft)	Identify 4m(14ft)
Pan/Tilt/Rotation	(,	(,	()	(,
Pan/Tilt/Rotation Range	N/A			
Intelligence	1,77			
IVS	Tripwire, Int	rusion		
Advanced Intelligent Functions	Heat Map			
Video				
Compression	H.265/H.264	1		
Streaming Capability	3 Streams			
Resolution	12M(4000×3000)/8M(2880×2880)/ 6M(2880×2160)/3M(2048x1536)/ 1.3M(1280x960)/D1(704×576/704×480)/ CIF(352×288/352×240)			
	Main Stream: 12M(1~25fps)/8M(1~25/30fps)			
Frame Rate	Sub Stream: D1(1 ~ 25/30fps)			
	Third Stream: 1.3M(1 ~ 25/30fps)			
Bit Rate Control	CBR/VBR			
	H.265: 3Kbps~ 9984Kbps H.264: 8Kbps~ 16384Kbps			

Day/Night	Auto(ICR) / Color / B/W	
BLC Mode	BLC / HLC / DWDR	
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
Gain Control	Auto/Manual	
Noise Reduction	3D DNR	
Motion Detetion	Off / On (4 Zone, Rectangle)	
Region of Interest	Off / On (4 Zone)	
Electronic Image Stabilization(EIS)	N/A	
Smart IR	Support	
Defog	Support	
Digital Zoom	16x	
Flip	N/A	
Mirror	N/A	
Privacy Masking	Off / On (4 Area, Rectangle)	
Audio		
Compression	G.711a/G.711Mu/AAC/ G.726	
Network		
Ethernet	RJ-45 (100/1000Base-T)	
Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DH P;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjou ;802.1x;Multicast;ICMP;IGMP;SNMP	
Interoperability	ONVIF, PSIA, CGI	
Streaming Method	Unicast / Multicast	
Max. User Access	10 Users/20 Users	
Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB	
Web Viewer	IE, Chrome, Firefox, Safari	
Management Software	Smart PSS, DSS, Easy4ip	
Smart Phone	IOS, Android	
Certifications		
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Interface		
Video Interface	N/A	
Audio Interface	1/1 channel In/Out, 1 Built-in Mic	
RS485	N/A	
Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	
Electrical		
Power Supply	DC12V, PoE (802.3af)(Class 0)	
Power Consumption	<12W	

Environmental -30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH **Operating Conditions** -30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH Strorage Conditions Ingress Protection Vandal Resistance IK10 Construction

Casing	Metal
Dimensions	Φ149.8mm×47.7mm(Φ5.9"×1.88")
Net Weight	0.58kg(1.28lb)
Gross Weight	1.0kg(2.2lb)

Ordering Information				
Туре	Part Number	Description		
12MP camera	DH-IPC-EBW81230P	12MP Panoramic Network IR Fisheye Camera, PAL		
	DH-IPC-EBW81230N	12MP Panoramic Network IR Fisheye Camera,NTSC		
	IPC-EBW81230P	12MP Panoramic Network IR Fisheye Camera, PAL		
	IPC-EBW81230N	12MP Panoramic Network IR Fisheye Camera,NTSC		
Accessories (optional)	PFA100	Mount Adapter		
	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



Ceiling Mount

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





