

DH-IPC-PDBW8800-A180

4x2MP Multi-Sensor Panoramic Network IR Dome Camera

www.PadVokam.by



System Overview

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With four 2MP sensors working in tandem to create a comprehensive 180-degree overview, the camera can replace multiple single-sensor cameras providing a higher return on investment. The multi-sensor camera features contrast, backlight compensation, white balance, and resolution control to create a crystal-clear image even in the most challenging lighting conditions.

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.

Starlight Technology

Featured with Dahua Starlight Technology, the camera is ideal for applications with challenging light conditions. Its low light performance delivers usable video with minimal ambient light. Even in extreme low light conditions, Starlight Technology is capable of delivering color images in nearly complete darkness.

Intelligent Video System (IVS)

Dahua camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire, Intrusion, Abandoned, Missing and so on, to quickly and accurately respond to monitoring events in specific area. It can enhance monitoring efficiency. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

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

- · Four 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265/H.264 triple-stream encoding
- · Max 25fps@4096x1800
- · Support 180-degree panoramic view
- · Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Smart detection
- · Intelligent Function
- · Max. IR LEDs length 30m
- . Micro SD memory, IP67, IK10,PoE+













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 30m (98ft).

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

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.

Environmental

Standard Dahua camera can function from-30°C to +60°C(-22°F to +140°F) with 95% humility, meanwhile some models support heater module optional which allows the camera to function from-40°Cto +60°C (-40°F to +140°F). With a temperature range of-40°C to +60°C, the camera is designed for extreme temperature environments.



Technical Specification				
Camera				
Image Sensor	Four 1/2.8" 2Megapixel progressive scan CMOS			
Effective Pixels	4096(H)x1800(V)			
RAM/ROM	1024MB/128MB			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s			
Minimum Illumination	0.007Lux/F2.0(Color,1/3s,30IRE) 0.05Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)			
S/N Ratio	More than 50dB			
IR Distance	Distance up	to 30m(98ft)		
IR On/Off Control	Auto/ Manu	Auto/ Manual		
IR LEDs	6			
Lens				
Lens Type	Fixed			
Mount Type	Board-in			
Focal Length	3.0mm			
Max. Aperture	F2.0			
Angle of View	H: 180°, V:80°			
Optical Zoom	N/A			
Focus Control	Fixed			
Close Focus Distance	N/A			
	Detect	Observe	Recognize	Identify
DORI Distance	41m(135ft)	16m(53ft)	8m(26ft)	4m(13ft)
Pan/Tilt/Rotation				
Pan/Tilt/Rotation Range	Pan:0°~355°	; Tilt:0°~75°; R	totation:±20°	
Intelligence				
IVS	Tripwire, Intrusion, Object Abandoned/Missing			
Advanced Intelligent Functions	Heat Map, E		,	
Video				
Compression	H.265+/H.26	H.265+/H.265/H.264+/H.264		
Streaming Capability	3 Streams			
Resolution	4096×1800/3840×1680/2880×1264/ /1920x832/1280x560/1024X452			
	Main Stream: 4096x1800 (1~25fps)			
Frame Rate	Sub Stream: 1024X452 (1 ~ 25/30fps)			
וומוווב המנל	Third Stream: 1920x832 (1 ~ 25/30fps)			
Bit Rate Control	CBR/VBR			
Bit Rate	H.265: 9Kbps~ 9472Kbps			
DIL NALE	H.264: 24Kb	ps~ 15616Kb	ps	

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	N/A	
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;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour;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	1 Port(For adjustment only)	
Audio Interface	1/1 channel In/Out	
RS485	N/A	
Alarm	2 channel In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50VAC	
Electrical		
Power Supply	AC24V, PoE+(802.3at)(Class 4)	
Power Consumption	<25.5W	

Environmental

-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
IP67
IK10

Construction

Casing	Metal
Dimensions	Φ212mm×169.5mm(Φ8.35"×6.67")
Net Weight	3.6kg(7.9lb)
Gross Weight	4.6kg(10.1lb)

Ordering Information					
Туре	Part Number	Description			
4x2MP camera	DH-IPC- PDBW8800P-A180	4x2MP Multi-Sensor Panoramic Network IR Dome Camera, PAL			
	DH-IPC- PDBW8800N-A180	4x2MP Multi-Sensor Panoramic Network IR Dome Camera,NTSC			
	IPC- PDBW8800P-A180	4x2MP Multi-Sensor Panoramic Network IR Dome Camera, PAL			
	IPC- PDBW8800N-A180	4x2MP Multi-Sensor Panoramic Network IR Dome Camera,NTSC			
Accessories (included)	PFA111	Mount Adapter			
Accessories (optional)	PFA140	Power Box			
	PFB300C	Ceiling Mount			
	PFA120	Junction Box			
	PFB303W	Wall Mount			
	PFA150	Pole Mount			
	PFA151	Corner Mount			
	PFB303S	Parapet Mount			

Accessories

Included:



Mount Adapter

Optional:







Pole Mount



PFB300C Ceiling Mount



Corner Mount



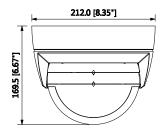


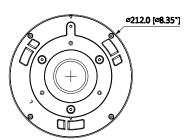
PFB303S Parapet Mount



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Ceiling Mount	Junction Mount	
PFA111 + PFB300C	PFA111 + PFB303W + PFA120	
Power Box Mount	Pole Mount	
PFA111 + PFB303W + PFA140	PFA111 + PFB303W + PFA150	
Corner Mount	Parapet Mount	
PFA111+ PFB303W + PFA151	PFA111+ PFB303S	

Dimensions (mm/inch)







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