

DH-IPC-PDBW5831-B360

4x2MP IR Dome Network Camera



System Overview

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With four 2MP adjustable lenses can provide a flexible choice of the angle, 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

Starlight Technology

Featuring Dahua's Starlight Technology, this camera is ideal for applications with challenging lighting 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 near complete darkness (less than 0.01 lux).

Wide Dynamic Range

Embeded with industry leading wide dynamic range (WDR) technology, vivid picutures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. The camera

- · Four 1/2.8" 2Megapixel progressive scan STARVIS[™] CMOS
- · H.265&H.264 dual-stream encoding
- · 25/30fps@2M(1920×1080)
- · Smart Detection supported
- WDR(140dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS)
- & DMSS
- · 2.7mm~12mm motorized lens
- Max. IR LEDs Length 30m
- Micro SD memory, IP67, IK10, PoE+



complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For enviorments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Protection

Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

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



Panoramic Series | DH-IPC-PDBW5831-B360

Technical Specification

Camera

Camera						
Image Sensor		Four 1/2.8" 2Megapixel progressive scan CMOS				
Effective Pixels		1920(H)x1080(V)				
RAM/ROM		1024MB/128MB				
Scanning System		Progressive				
Electronic Shutt	er Speed	Auto/Manual, 1/3(4)~1/100000s				
Minimum Illumination		0.005Lux/F1.8(Color,1/3s,30IRE) 0.06Lux/1.8(Color,1/30s,30IRE) 0Lux/F1.8(IR on)				
S/N Ratio		More than 50dB				
IR Distance		Distance up to 30m (98ft)				
IR On/Off Control		Auto/ Manual				
IR LEDs		8				
Lens						
Lens Type		Motorized				
Mount Type		Board-in				
Focal Length		2.7~12mm motorized				
Max. Aperture		F1.8				
Angle of View		H: 105° ~44°	H: 105° ~44°, V:54° ~25°			
Optical Zoom	-		4x			
Focus Control		Motorized				
Close Focus Dis	tance	0.2m(0.66ft))			
	Lens	Detect	Observe	Recognize	Identify	
DORI Distance	Wide	45m(148ft)	18m(59ft)	9m(29.5ft)	4.5m(14.8ft)	
	Tele	99m(325ft)	40m(131ft)	20m(66ft)	10m(33ft)	
Pan/Tilt/Ro	tation					
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~80°; Rotation:0°~355°				
Intelligence						
Event Trigger		Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly				
IVS		Tripwire, Intrusion				
Video	Video					
Compression		H.265/H.264/H.264B/H.264H/MJPEG(sub stream)				
Smart Codec		Support H.265+/H.264+				
Streaming Capability		2 Streams				
Resolution		1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/D1(704×576/704×480)/ CIF(352×288/352×240)				
Frame Rate		Main Stream: 1080P(1~25/30fps)				
		Sub Stream: D1(1~25/30fps)				
Bit Rate Control		CBR/VBR				
Bit Rate		H.264: 32~8192Kbps H.265: 12~6144Kbps				
Day/Night		Auto(ICR) / Color / B/W				
BLC Mode		BLC / HLC / WDR(140dB)				
White Balance		Auto/Manual				
Gain Control		Auto/Manual				

Noise Reduction	3D DNR		
Motion Detection	Off / On (4 Zone, Rectangle)		
Region of Interest	Off / On (4 Zone)		
Electronic Image Stabilization (EIS)	N/A		
Smart IR	N/A		
Defog	N/A		
Digital Zoom	16x		
Flip	0°/90°/180°/270°		
Mirror	Off / On		
Privacy Masking Audio	Off / On (4 Area, Rectangle)		
Compression	G.711a/ G.711Mu/ AAC/ G.726		
Network	0.110, 0.1100, 0.120		
Ethernet	RJ-45 (100/1000Base-T)		
Luemet	ויז-איז (דחה) דהההמצביו)		
Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP ;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP		
Interoperability	ONVIF Profile S&G, API		
Streaming Method	Unicast / Multicast		
Max. User Access	10 Users /20 Users		
Edge Storage	NAS Local PC for instant recording Mirco SD card 256GB		
Web Viewer	IE, Chrome, Firefox, Safari		
Management Software	Smart PSS, DSS, DMSS		
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		
RS485	1 port		
Alarm	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12V		
Electrical			
Power Supply	AC24V, PoE+(802.3at)(Class 4)		
Power Consumption	AC 24V: 9.9W 31.2W(IR on) PoE: 10.6W 23.8W(IR on)		
Environmental			
Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH		
Stroage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH		
Ingress Protection	IP67		
Vandal Resistance	IK10		

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Construction

Casing	Metal
Dimensions	286.1mm×111.3mm
Net Weight	2.7kg (5.95lb)
Gross Weight	3.6kg (7.94lb)

Ordering Information

Туре	Part Number	Description	
2MP camera	DH-IPC-PDBW5831P- B360-E4-2712	4x2MP IR Dome Network Camera, PAL	
	DH-IPC-PDBW5831N- B360-E4-2712	4x2MP IR Dome Network Camera, NTSC	
	IPC-PDBW5831N- B360-E4-2712	4x2MP IR Dome Network Camera, PAL	
	IPC-PDBW5831P- B360-E4-2712	4x2MP IR Dome Network Camera, NTSC	
Accessories (optional)	PFB300C	Ceiling mount	
	PFB303W	Wall mount bracket	
	PFA108	Mount adapter	
	PFA111	Mount adapter	

Accessories

Optional:







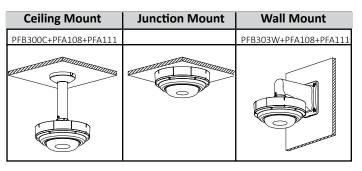
PFB300C

PFB303W

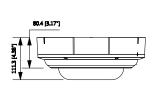
PFA111

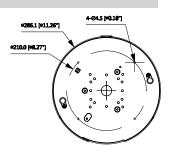






Dimensions (mm/inch)







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