

DH-IPC-PDB4830-B360

4x2MP Panoramic Dome Network Camera



- · Four 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 dual-stream encoding
- · 25fps@2M(1920×1080)
- · DWDR, Day/Night(Electronic), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS)
 DMSS
- · 2.8 mm fixed lens (3.6mm optional)
- · Micro SD memory, IP67, IK10, PoE













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).

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-40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. The camera 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 environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

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





Technical S	pecification					Noise Reduction	3D DNR
-						Motion Detection	Off / On (4 Zone, Rectangle)
Camera		5 4/0 0// 0.1				Region of Interest	Off / On (4 Zone)
Image Sensor		Four 1/2.8" 2Megapixel progressive scan CMOS 1920(H)x1080(V)				Electronic Image Stabilization	N/A
Effective Pixels						(EIS) Smart IR	N/A
RAM/ROM		1024MB/128MB				Defog	N/A
Scanning System		Progressive				Digital Zoom	16x
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s				Flip	0°/90°/180°/270°
Minimum Illumination		0.006Lux/F1.85(Color,1/3s,30IRE) 0.05Lux/1.85(Color,1/30s,30IRE)				Mirror	Off / On
		0Lux/F1.85	(IR on)			Privacy Masking	Off / On (4 Area, Rectangle)
IR Distance		N/A				Audio	
IR On/Off Conti	rol	N/A N/A				Compression	G.711a/ G.711Mu/ AAC/ G.726/ MP2L2/ G.722
IR LEDs	IR LEDs					Network	
Lens						IVELWOTK	
Lens Type		Fixed				Ethernet	RJ-45 (100/1000Base-T)
Mount Type Focal Length		Board-in 2.8mm;3.6mm				Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP DHCP; DNS; DDNS; PPPOE; IPv4/v6; SNMP; QoS; UPnP; NTP; Bonjour; HTTPS; 802.1x; NAS
Max. Aperture	-					Interoperability	ONVIF Profile S&G, API, CGI
Angle of View		H: 99° V:56°	°; V:87° ~47°			Streaming Method	Unicast / Multicast
Aperture Type		Fixed				_	
Close Focus Dis	tance	0.5m(1.64ft	1)			Max. User Access	10 Users /20 Users
DORI Distance	Lens 2.8mm	Detect	Observe 15m(49ft)	Recognize 8m(26ft)	Identify 4m(13ft)	Edge Storage	NAS Local PC for instant recording Mirco SD card 256GB
DORI DISTANCE						Web Viewer	IE, Chrome, Firefox, Safari
- / /	3.6mm	53m(174ft)	21m(69ft)	11m(36ft)	5m(16ft)	Management Software	Smart PSS, DSS, DMSS
Pan/Tilt/Rot	tation					Smart Phone	IOS, Android
Pan/Tilt/Rotati	on Range	Pan:0°~360	°; Tilt:0°~80°; I	Rotation:0°~35	55°		,
Intelligence						Certifications	
Event Trigger		Network dis	sconnection, I age anomaly	tampering, Sco p address con		Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
IVS		Tripwire, Intrusion				In the order of	
Video						Interface	
Compression		H.265/H.26	4/H.264B/H.2	:64H/MJPEG(s	ub stream)	Video Interface	N/A
Smart Codec		Support H.2	265+/H.264+			Audio Interface	1/1 channel In/Out
Streaming Capability		2 Streams				RS485	N/A
Resolution		1080P(1920×1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704×576/704x480)/ CIF(352×288/352×240)				Alarm	1 channel In: 500mA 5VDC 1 channel Out: 1A 30VDC
Frame Rate		Main Stream: 1080P(1~25fps)				Electrical	
		Sub Stream: D1(1~25fps)				Power Supply	DC12V, PoE(802.3af)(Class 0)
Bit Rate Control		CBR/VBR					
Bit Rate		H.264: 32~8192Kbps H.265: 19~4608Kbps				Power Consumption	DC 12V: 5.3W 6.2W(H.265+DWDR+Audio+Alarm) POE: 6.4W 7.4W(H.265+DWDR+Audio+Alarm)
Day/Night		Electronic				Environmental	
BLC Mode		BLC / HLC / DWDR					40° C ~ 1 C0° C / 40° F ~ 1140° F \ / 1 ass +bas 0 F 0 / 1
White Balance		Auto/Manual				Operating Conditions Stroage Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% R -30° C ~ +70° C (-22° F ~ +158° F) / Less than 95% RI
Gain Control		Auto/Manual				-	
Gain Control		,				Ingress Protection	IP67
						Vandal Resistance	IK10



Construction

Panoramic Series | DH-IPC-PDB4830-B360

Casing	Metal
Dimensions	71.5 mm×Φ159.1 mm
Net Weight	0.85kg (1.87lb)
Gross Weight	1.05kg (2.31lb)

Ordering Information					
Туре	Part Number	Description			
	DH-IPC-PDB4830P-B360- E4-0280B	4x2MP Dome Network Camera, PAL			
	DH-IPC-PDB4830N-B360- E4-0280B	4x2MP Dome Network Camera, NTSC			
	IPC-PDB4830N-B360-E4- 0280B	4x2MP Dome Network Camera, PAL			
2MP	IPC-PDB4830P-B360-E4- 0280B	4x2MP Dome Network Camera, NTSC			
camera	DH-IPC-PDB4830P-B360- E4-0360B	4x2MP Dome Network Camera, PAL			
	DH-IPC-PDB4830N-B360- E4-0360B	4x2MP Dome Network Camera, NTSC			
	IPC-PDB4830N-B360-E4- 0360B	4x2MP Dome Network Camera, PAL			
	IPC-PDB4830P-B360-E4- 0360B	4x2MP Dome Network Camera, NTSC			
	PFA101	Wall Mount			
	PFA138	Junction Mount			
Accessories	PFB300S	Wall Mount			
(optional)	PFB300C	Ceiling Mount			
	PFA152-E	Pole Mount			
	PFB302S	Pole Mount			

Accessories

Optional:







PFB300S

PFA152-E

PFB302S





PFA101

PFB300C

Junction Mount	Wall Mount	Pole Mount
PFA138	PFA101+PFB300S	PFA101 + PFA152-E + PFB302S
Ceiling Mount PFA101 + PFB300C		

Dimensions (mm/inch)









