

DH-IPC-HDBW4431E-Z-S4

4MP WDR IR Dome Network Camera



- · 1/3" 4Megapixel progressive scan CMOS
- · H.265&H.264 triple-stream encoding
- · 25/30fps@4Mp(2688×1520)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 2.7mm ~13.5mm motorized lens
- · Max. IR LEDs Length 50m
- · IP67,IK10, PoE
- · Micro SD card memory 256GB













System Overview

Eco-savvy products by upgrading H.265 encoding technology, bringing high efficient video compression. It saves bandwidth and storage , energy-saving design to enhance the monitoring system . Meanwhile, the series offers features such as starlight , Smart IR technology , intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders . This series provides IP67 weatherproof and IK10 vandal-proof protection feature. Give customers more value

Functions

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 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 ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

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.



Technical Specification					Day/Night	Auto(ICR) / Color / B/W	
Camera					BLC Mode	BLC / HLC / WDR(120dB)	
Image Sensor		1/3" 4Megapixel progressive scan CMOS				White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Effective Pixels		2688(H)x1520(V)				Gain Control	Auto/Manual
RAM/ROM		512MB/32MB				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		0.03Lux/F1.6 (Color,1/3s,30IRE) 0.3Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)				Electronic Image Stabilization (EIS)	N/A
IR Distance		Distance up to 50m (164ft)				Smart IR	Support
IR On/Off Conti	rol	Auto/ Manual				Defog	N/A
·	101					Digital Zoom	16x
IR LEDs		3				Flip	0°/90°/180°/270°
Lens						Mirror	Off / On
Lens Type		Motorized				Privacy Masking	Off / On (4 Area, Rectangle)
Mount Type		Board-in				Audio	
Focal Length		2.7mm~13.5mm				Compression	G.711a/ G.711Mu/ AAC/ G.726
Max. Aperture		F1.6				Network	
Angle of View		H: 100°~27° , V:54°~16°				Ethernet	RJ-45 (10/100Base-T)
Optical Zoom Aperture Type		5x Fixed				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; SFTI
Close Focus Distance		0.8m					RTMP; NFS; SMB
	Lens	Detect	Observe	Recognize	Identify	Interoperability	ONVIF, CGI, Milstone, Genetec
DORI	W	64m(210ft)	26m(85ft)	13m(43ft)	6m(20ft)	Streaming Method	Unicast / Multicast
Distance	т	222m(728ft)			22m(72ft)	Max. User Access	10 Users /20 Users
Pan/Tilt/Rotation		222111(72311)	05111(25211)	74111(17411)	22111(7210)	Edge Storage	NAS Local PC for instant recording Mirco SD card 256GB
Pan/Tilt/Rotati	on Range	Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355°				Web Viewer	IE, Chrome, Firefox, Safari
Intelligence						Management Software	Smart PSS, DSS, Easy4ip
IVS		Tripwire, Intru	ısion, Object A	Abandoned/M	lissing	Smart Phone	IOS, Android
Advanced Intel	ligent Functions	Face Detection				Certifications	
Video Compression		11 205 / /11 205	/11.264./11.26	· 4		Certifications	CE (EN 60950:2000) UL:UL60950-1
	La tita.	H.265+/H.265/H.264+/H.264				let enforce	FCC: FCC Part 15 Subpart B
Streaming Capability Resolution		3 Streams 4M(2688x1520)/3M(2304x1296)/1080P(1920x1080)/ 1.3M(1280×960)/720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/ CIF(352×288/352×240)				Interface	
						Video Interface Audio Interface	N/A 1/1 channel In/Out
		Main Stream: 4M(1~25/30fps)				RS485	N/A
Frame Rate		Sub Stream: D1(1~25/30fps)				Alarm	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
		Third Stream: 1080P(1~14/4fps)				Electrical	
Bit Rate Contro	I	CBR/VBR				Power Supply	DC12V, PoE(802.3af)(Class 0)
Bit Rate		H.264: 32~10240Kbps H.265: 32~8192Kbps				Power Consumption	<13.8W

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	Ф159.1mm×117.9mm (6.26"×4.64")
Net Weight	0.95kg (2.09lb)
Gross Weight	1.2kg (2.65lb)

Ordering Information Part Number Type Description DH-IPC-HDBW4431EP-4MP IR Dome Network Camera, WDR, PAL Z-S4 DH-IPC-HDBW4431EN-4MP IR Dome Network Camera, WDR, NTSC Z-S4 4MP camera IPC-HDBW4431EP-4MP IR Dome Network Camera, WDR, PAL Z-S4 HDBW4431EN-4MP IR Dome Network Camera, WDR,NTSC Z-S4 PFA138 Junction Box PFB210W Wall mount PFB201C In-ceiling mount Accessories (optional) PFB300C Ceiling mount PFA152-E Pole mount PFA101 Mount adapter

Accessories

Optional:







PFA138 Junction box

.38 PFB210W n box Wall mount

PFA152-E Pole mount







PFA101 Mount adapter

PFB300C Ceiling mount

PFB201C In-ceiling mount

In-ceiling Mount	Junction Mount	Pole Mount			
PFB201C	PFA138	PFB210W+PFA152-E			
0					
Ceiling Mount	Wall Mount				
PFA101+PFB300C	PFB210W (Indoor)	PFB210W (Outdoor)			

Dimensions (mm/inch)





