

DH-IPC-HDBW4431E-S-S4

4MP IR Mini Dome Network Camera



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 intelliegence 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 enviorments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

- · 1/3" 4Megapixel progressive scan CMOS
- · H.265&H.264 triple-stream encoding
- · 25/30fps@4Mp(2688×1520)
- · Smart Detection supported
- · WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) & **DMSS**
- · 2.8mm fixed lens (3.6mm, 6mm optional)
- · Max. IR LEDs Length 30m
- · Micro SD memory 256GB, IP67, IK10, PoE













Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 2KV 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(4)~1/100000s				Region of Interest	Off / On (4 Zone)
Minimum Illumination		0.03Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)				Electronic Image Stabilization (EIS)	N/A
IR Distance		Distance up to	o 30m (98ft)			Smart IR	Support
IR On/Off Conti	IR On/Off Control					Defog	N/A
IR LEDs		18				Digital Zoom	16x
Lens						Flip	0°/90°/180°/270°
Lens Type		Fixed				Mirror	Off / On
Mount Type						Privacy Masking	Off / On (4 Area, Rectangle)
Focal Length		Board-in 2.8mm (3.6mm, 6mm optional)				Audio	
Max. Aperture		F2.0 (F2.0, F2.0)				Compression	G.711a/ G.711Mu/ AAC/ G.726
Angle of View		H: 103° (81°, 51°), V: 55° (44°, 29°)				Network	
Optical Zoom		N/A				Ethernet	RJ-45 (10/100Base-T)
Focus Control		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; SFTP; RTMP; NFS; SMB
Close Focus Distance		0.8m(1.4m, 2.8m)					
	Lens	Detect	Observe	Recognize	Identify	Interoperability	ONVIF, CGI, Milstone, Genetec
DORI Distance	2.8 mm	56m(184ft)	22m(72ft)	11m(36ft)	6m(20ft)	Streaming Method	Unicast / Multicast
	3.6 mm	80m(262ft)	32m(105ft)	16m(52ft)	8m(26ft)	Max. User Access	10 Users /20 Users
Da :: /T:lt /Dad	6.0 mm	120m(394ft)	48m(157ft)	24m(79ft)	12m(39ft)	Edea Characa	NAS
Pan/Tilt/Rotation						Edge Storage	Local PC for instant recording Mirco SD card 256GB
Pan/Tilt/Rotati	· ·	Pan:0°~355°; Tilt:0°~64°; Rotation:0°~355°				Web Viewer	IE, Chrome, Firefox, Safari
Intelligence						Management Software	Smart PSS, DSS, Easy4ip
IVS		Tripwire, Intru		Abandoned/N	1issing	Smart Phone	IOS, Android
Advanced Intelligent Functions		Face Detection				Certifications	
Video Compression		H.265+/H.265	5/H.264+/H.26	54		Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability		3 Streams				Interface	rec. recrart 15 suspart b
Resolution		4M(2688×1520)/3M(2304×1296)/ 1080P(1920x1080)/1.3M(1280x960)/ 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)				Video Interface	NI/A
						Audio Interface	N/A
Frame Rate		Main Stream: 4M(1~25/30fps)				RS485	N/A
		Sub Stream: D1(1~25/30fps)				Alarm	N/A
		Third Stream: 1080P(1~14/4fps)				Electrical	
Bit Rate Control		CBR/VBR				Power Supply	DC12V, PoE (802.3af)(Class 0)
Bit Rate		H.264: 192~1 H.265: 80~81				Power Consumption	<7.5W
		H.265: 80~8192Kbps				·	

Environmental

Operating Conditions	-40° C $^{\sim}$ +60° C (-40° F $^{\sim}$ +140° F) / Less than 95% RH
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Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	Ф109.9mm×81mm (4.33"×3.19")
Net Weight	0.35kg (0.77lb)
Gross Weight	0.49 kg (1.08lb)

Ordering Information						
Туре	Part Number	Description				
	DH-IPC- HDBW4431EP-S- 0280B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
	DH-IPC- HDBW4431EN-S- 0280B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
	IPC-HDBW4431EP- S-0280B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
	IPC-HDBW4431EN- S-0280B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
	DH-IPC- HDBW4431EP-S- 0360B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
4MP camera	DH-IPC- HDBW4431EN-S- 0360B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
TIVII CUITICIU	IPC-HDBW4431EP- S-0360B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
	IPC-HDBW4431EN- S-0360B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
	DH-IPC- HDBW4431EP-S- 0600B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
	DH-IPC- HDBW4431EN-S- 0600B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
	IPC-HDBW4431EP- S-0600B-S4	4MP IR Mini Dome Network Camera, WDR,PAL				
	IPC-HDBW4431EN- S-0600B-S4	4MP IR Mini Dome Network Camera, WDR,NTSC				
	PFB203W	Wall mount				
Accessories	PFA136	Junction box				
(optional)	PFA152-E	Pole mount				
	PFA200W	Rain shade				

Accessories

Optional:









Junction Box

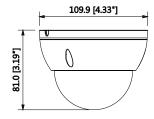
PFB203W Wall Mount

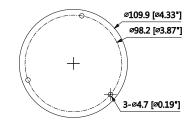
Pole Mount

PFA200W Rain shade

Junction Mount	Pole Mount
PFA136	PFB203W + PFA152-E
Wall Mount	
PFB203W	
	Pole Mount with Rain Shade
	PFA136W + PFA152-E+PFA200W
Wall Mount with Rain Shade PFA136W+PFA200W	

Dimensions (mm[inch])







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