

DH-IPC-HDBW4231E-AS-S4

2MP 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

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 (0.005 lux).

Wide Dynamic Range

Embedded 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-40 °C to +60 °C (-40 °F to +140 °F), the

- · 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 triple-stream encoding
- · 25/30fps@1080P(1920×1080)
- · 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)
- · 1/1 Alarm in/out, 1/1 audio in/out
- · Max. IR LEDs Length 30m
- · Micro SD memory, IP67, IK10, PoE













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 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							White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Camera							Gain Control	Auto/Manual
Image Sensor		1/2.8" 2Megapixel progressive scan CMOS					Noise Reduction	3D DNR
Effective Pixels		1920(H)x1080(V)					Motion Detetion	Off / On (4 Zone, Rectangle)
RAM/ROM		256MB/32MB					Region of Interest	Off / On (4 Zone)
Scanning System		Progressive					Electronic Image Stabilization	N/A
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s 0.005Lux/F1.9(Color,1/3s,30IRE)					(EIS)	IV/A
Minimum Illumination		0.03Lux/F1.9(Color,1/30s,30IRE) 0.0x/F1.9(IR on)					Smart IR	Support
IR Distance		Distance up to 30m (98ft)					Defog	N/A
IR On/Off Control		Auto/ Manual					Digital Zoom	16x
IR LEDs		18					Flip	0°/90°/180°/270°
Lens							Mirror	Off / On
Lens Type		Fixed					Privacy Masking	Off / On (4 Area, Rectangle)
Mount Type		Board-in					Audio	
Focal Length		2.8mm (3.6mm, 6mm optional)					Compression	G.711a/ G.711Mu/ AAC/ G.726
Max. Aperture		F1.9 (F2.0, F2.0)					Network	
Angle of View		H: 95° (84°, 53°), V:54° (45°, 40°)					Ethernet	RJ-45 (10/100Base-T)
Optical Zoom		N/A						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
Aperture Type Close Focus Distance		Fixed 0.6m(0.9m, 2.0m)					Protocol	
	Lens	Detect	Observe	Recognize	Identify		Interoperability	ONVIF, PSIA, CGI
DOD! D'	2.8 mm	39m(128ft)	15m(49ft)	8m(26ft)	4m(13ft)		Streaming Method	Unicast / Multicast
DORI Distance	3.6 mm	55m(180ft)	22m(72ft)	11m(36ft)	6m(20ft)		Max. User Access	10 Users /20 Users
	6.0 mm	83m(272ft)	33m(108ft)	17m(56ft)	8m(26ft)			NAS
Pan/Tilt/Rotation							Edge Storage	Local PC for instant recording Mirco SD card 256GB
Pan/Tilt/Rotation Range		Pan:0°~355°; Tilt:0°~64°; Rotation:0°~355°					Web Viewer	IE, Chrome, Firefox, Safari
Intelligence							Management Software	Smart PSS, DSS, Easy4ip
IVS		Tripwire, Intrusion, Object Abandoned/Missing					Smart Phone	IOS, Android
Advanced Intel	ligent Functions	Face Detection					Certifications	
Video							Certifications	CE (EN 60950:2000)
Compression		H.265+/H.265/H.264+/H.264					Certifications	UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability		3 Streams 1080P(1920x1080)/1.3M(1280x960)/					Interface	
Resolution		720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)					Video Interface	N/A
Frame Rate		Main Stream: 1080P(1~25/30fps)					Audio Interface	1/1 channel In/Out
		Sub Stream: D1(1~25/30fps)					RS485	N/A
		Third Stream: 1080P(1~5/0fps)					Alarm	1 channel In: 5mA 5VDC
Bit Rate Control		CBR/VBR						1 channel Out: 300mA 12VDC
Bit Rate		H.264: 192~10240Kbps H.265: 80~6144Kbps					Electrical	
Day/Night		Auto(ICR) / Color / B/W					Power Supply	DC12V, PoE (802.3af)(Class 0)
BLC Mode		BLC / HLC / WDR(120dB)					Power Consumption	<6.4W

Environmental

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

Construction

Casing	Metal
Dimensions	Ф109.9mm×81mm (4.33"×3.19")
Net Weight	0.37kg (0.82lb)
Gross Weight	0.51 kg (1.12lb)

Ordering Information					
Туре	Part Number	Description			
	DH-IPC- HDBW4231EP-AS- 0280B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
	DH-IPC- HDBW4231EN-AS- 0280B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
	IPC-HDBW4231EP- AS-0280B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
	IPC-HDBW4231EN- AS-0280B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
	DH-IPC- HDBW4231EP-AS- 0360B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
2MP camera	DH-IPC- HDBW4231EN-AS- 0360B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
Zivir Camera	IPC-HDBW4231EP- AS-0360B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
	IPC-HDBW4231EN- AS-0360B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
	DH-IPC- HDBW4231EP-AS- 0600B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
	DH-IPC- HDBW4231EN-AS- 0600B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
	IPC-HDBW4231EP- AS-0600B-S4	2MP IR Mini Dome Network Camera, WDR,PAL			
	IPC-HDBW4231EN- AS-0600B-S4	2MP IR Mini Dome Network Camera, WDR,NTSC			
	PFB203W	Wall mount			
Accessories (optional)	PFA136	Junction box			
	PFA152-E	Pole mount			
	PFA200W	Rain shade			

Accessories

Optional:









PFA136 Junction Box

PFB203W Wall Mount

PFA152-E 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)





