

DH-IPC-HDB4231F-MPC

2MP People Counting Mini Dome Network Camera



System Overview

With upgraded H.265 encoding technology, Eco-savvy series brings high efficient video compression capability. It can save bandwidth and storage. Meanwhile, the series features starlight, smart IR technology and intelligent image analysis techniques. This series supports reminder function, meanwhile fully protected from dust and water, certified to IP67 and vandal resistant to IK10 standard.

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 (0.009 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.

Business intelligent analysis (People counting)

Besides basic IVS functions, Dahua Camera supports more advanced

- · 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 triple-steam encoding
- · 50/60fps@1080P(1920×1080)
- · Smart Detection supported
- · WDR(120dB), Day/Night(Electronic), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS)
 DMSS
- · 2.1mm fixed lens
- · People Counting
- · Micro SD memory, IP67, IK10, PoE

















intelligent features such as people counting. This function can be applied to business intelligence and bring extra values to customers. It is available to acquire daily, weekly, monthly and yearly people flow via people counting and output data report, which can provide valuable data support for commercial applications.

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.

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 _I	pecification					White Balance	Auto/Natural/Street Lamp/Outdoor/Manu
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 Shutter Speed		Auto/Manual, 1/3~1/100000s				Electronic Image Stabilization (EIS)	N/A
Minimum Illumination		0.02Lux/F2.4 (Color,1/3s,30IRE)				Smart IR	N/A
		0.08Lux/F2.4 (Color,1/30s,30IRE) 0.01Lux/F2.4 (B/W,1/3s,30IRE)				Defog	N/A
C(N) D:		0.04Lux/F2.4 (B/W,1/30s,30IRE)				Digital Zoom	16x
S/N Ratio		More than 50dB				Flip	0°/90°/180°/270°
IR Distance		N/A					
IR On/Off Conti	101	N/A				Mirror	Off / On
IR LEDs		N/A				Privacy Masking	Off / On (4 Area, Rectangle)
Lens						Audio	
Lens Type		Fixed				Compression	G.711a/ G.711Mu/ AAC/ G.726
Mount Type		Board-in				Network	
Focal Length		2.1mm				Ethernet	RJ-45 (10/100Base-T)
Max. Aperture		F2.0					HTTP; HTTPs; TCP; ARP; RTSP; RTP; UDP; SM
Angle of View		H: 132° , V:69°				Protocol	FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; Qc UPnP;NTP; Bonjour; 802.1x; Multicast; ICM
Optical Zoom		N/A					IGMP; SNMP
Focus Control		N/A				Interoperability	ONVIF, PSIA, CGI
Close Focus Dis	tance	0.4m				Streaming Method	Unicast / Multicast
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Max. User Access	10 Users /20 Users
	2.1 mm	36m(118ft)	14m(46ft)	7m(23ft)	3.5m(11ft)	Edge Charage	NAS
Pan/Tilt/Rot	tation					Edge Storage	Local PC for instant recording Mirco SD card 128GB
Pan/Tilt/Rotati	on Range	Pan:-30°~30	°; Tilt:0°~80°;	Rotation:0°~3	360°	Web Viewer	IE, Chrome, Firefox, Safari
Intelligence						Management Software	Smart PSS, DSS, Easy4ip
IVS		Tripwire, Int	rusion, Objec	t Abandoned/	/Missing	Smart Phone	IOS, Android
Advanced Intel	ligent Functions	Face Detection, People Counting				Certifications	
Video						cer timeations	CE (EN 60950:2000)
Compression		H.265+/H.26	55/H.264+/H.	264		Certifications	UL:UL60950-1 FCC: FCC Part 15 Subpart B
Streaming Capability		3 Streams				GC. timedilons	E-mark(ECE-Regulation No.10) EN50155
		,	x1080)/1.3M	. ,,		Interface	
Resolution				×576/704×480 288/352×240)	**	Video Interface	N/A
Frame Rate		Main Stream: 1080P (1~25/30fps)					Built-in Mic
		Sub Stream: D1(1~25/30fps)				Audio Interface	
		Third Stream: 1080P(1~25/30fps)				RS485	N/A
Bit Rate Control		CBR/VBR				Alarm	N/A
Bit Rate		H.264: 24~9472Kbps H.265: 14~5632Kbps				Electrical	
Day/Night		Auto(Electronic) / Color / B/W				Power Supply	DC12V, PoE (802.3af)(Class 0)
BLC Mode		BLC / HLC / WDR(120dB)				Power Consumption	< 3.5W

Eco Savvy 3.0 | DH-IPC-HDB4231F-MPC

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
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Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal	
Dimensions	Ф106mm×50.3mm (4.17"×1.98")	
Net Weight	0.4kg (0.88lb)	
Gross Weight	0.44kg (0.97lb)	

Ordering Information				
Туре	Part Number	Description		
	DH-IPC-HDB4231FP- MPC	2MP People Counting Mini Dome Network Camera, WDR, PAL		
2MP	DH-IPC-HDB4231FN- MPC	2MP People Counting Mini Dome Network Camera, WDR, NTSC		
camera	IPC-HDB4231FP-MPC	2MP People Counting Mini Dome Network Camera, WDR, PAL		
	IPC-HDB4231FN-MPC	2MP People Counting Mini Dome Network Camera, WDR, NTSC		
	PFB204W	Wall mount		
Accessories (optional)	PFA139	Junction box		
	PFA152	Pole mount		

Accessories

Optional:







PFA139 Junction Box

PFB204W Wall Mount

PFA152 Pole Mount

Junction box	Pole Mount
PFA139	PFB204W + PFA152
Wall Mount	
PFB204W	



