

DH-IPC-HFW4231B-AS-H

2MP HD WDR Network LXIR Bullet 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

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 camera is designed for extreme temperature environments. 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.

- · 1/2.8" 2Megapixel progressive scan CMOS
- · H.265 & H.264 & MJPEG triple stream encoding
- · Max 25/30fps@2M(1920×1080)
- · Smart Detection supported
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · 3.6mm fixed lens (6mm optional)
- · 1/1 Alarm in/out, 1/1 audio in/out(only for-AS)
- · Max. IR LEDs Length 50m
- · Micro SD memory (only for-AS), IP67, PoE



Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV 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.

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



Paris								
Integrals	Technical Specification						White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Firective Pixels	Camera						Gain Control	Auto/Manual
Securing System	Image Sensor		1/2.8" 2Megapixel progressive scan CMOS				Noise Reduction	3D DNR
Region of Interest Section S	Effective Pixels		1920(H)x1080(V)				Motion Detetion	Off / On (4 Zone, Rectangle)
Product	Scanning System	m	Progressive				Region of Interest	Off / On (4 Zone)
Min. Min. Min. Mi	Electronic Shut	ter Speed	Auto/Manual, 1/3(4)~1/100000s				Flectronic Image Stabilization	
Pode	Min. Illumination	n	0.01Lux/F2.0 (Color), 0Lux/F2.0(IR on)				_	N/A
Product	S/N Ratio		More than 50dB				Smart IR	Support
Page	Video Output		N/A				Defog	N/A
Figh 07907/1807/270° Manual Manual Final Figh 07907/1807/270° Mirror Off / On On On On On On On On			.,,,				Digital Zoom	16x
Max Aperture			2 Cmm (Cmm extinue)				Flip	0°/90°/180°/270°
Privacy Masking							Mirror	Off / On
Angle of View	·						Privacy Masking	Off / On (4 Area, Rectangle)
Lens Type							Audio	
Mount Type	_							0744 10744 1440
Lens	Lens Type		Fixed lens				Compression	G.711a/ G.711u/ AAC
DORI Distance 3.6 mm 80m(262ft) 32m(105ft) 16m(52ft) 8m(26ft) 7m(52ft) 7	Mount Type		Board-in Type				Network	
Pan/Tilt/Rotation		Lens	Detect	Observe	Recognize	Identify	Ethernet	RJ-45 (10/100Base-T)
Pan/Tilt/Rotation Pan/Tilt/Rotation Range Pan:0~360'; Tilt:0~87'; Rotation:0'~360' Intelligence IVS Tripwire, Intrusion, Object Abandoned/Missing Advanced Intelligent Functions Face Detection Video Compatibility OnVIF, PSIA, CGI Max. User Access 20 users Max. User Access 20 users Certifications Certifications Certifications CE (EN 60950:2000) UL:UI60950-1 FCC: FCC Part 15 Subpart B Main Stream: 2M(1~25/4M26/4M26/4M26/4M26/4M26/4M26/4M26/4M26	DORI Distance	3.6 mm	80m(262ft)	32m(105ft)	16m(52ft)	8m(26ft)		
Pan/Tilt/Rotation Range Pan:0°360'; Tilt:0°87'; Rotation:0°360' Protocol IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPP, Intelligence Compatibility ONVIE, PSIA, CGI IVS Tripwire, Intrusion, Object Abandoned/Missing Max. User Access 20 users Advanced Intelligent Functions Face Detection Smart Phone iPhone, iPad, Android, Windows Phone Video Certifications Compression H.265*/H.265/H.264/H.264H/H.264B/MJPEG Certifications CE (EN 60950:2000) UI: UI: 60950-1 FCC: FCC Part 15 Subpart B Resolution 1080P(1920x1080) / 720P(1280x720) / D1/704x576/704x480) / CIF (352x288/352x240) Interface Micro SD Max 128GB Frame Rate Main Stream: 2M(1°25/30fps) RS485 N/A Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support Electrical Day/Night Auto(ICR) / Color / B/W Power Supply DC12V, PoE (802.3af)		6.0 mm	117m(384ft)	47m(154ft)	23m(75ft)	12m(39ft)	Wi-Fi	N/A
Pan/Tilt/Rotation Range Pan:0"~360'; Tilt:0"~87'; Rotation:0"~360' Compatibility ONVIF, PSIA, CGI	Pan/Tilt/Rot	tation					_	
Intelligence IVS Tripwire, Intrusion, Object Abandoned/Missing Advanced Intelligent Functions Face Detection Video Compression H.265+/H.265/H.264/H.264H/H.264B/MJPEG Streaming Capability 3 Streams Resolution 1080P(1920×1080) / 720P(1280×720) / D(1704×576/704×480) / CIF(352×288/352×240) Frame Rate 1080 Sub Stream: D1/CIF(1~20fps) Third Stream: 720P(1~20fps) Bit Rate H.264 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support BLC Mode BLC /HLC / WDR(120dB) Max. User Access 20 users Max. User Access 20 users Adam. Wax. User Access 20 users Max. User Access 20 users Adam. Wax. User Access 20 users Adam. Phone iPhone, iPad, Android, Windows Phone Phone, iPad, Android, Windows Phone Phone, iPad, Android, Windows Phone IPhone, iPad, Android, Windows Phone Phone, iPad, Android, Windows Phone Certifications Certifications Certifications Certifications Memory Slot Memory Slot Micro SD Max 128GB N/A Alarm N/A Alarm N/A Alarm N/A Electrical Electrical Power Supply DC12V, PoE (802.3af)	Pan/Tilt/Rotati	Pan/Tilt/Rotation Range		ilt:0°~87°; Rot	ation:0°~360	۰	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP,
Advanced Intelligent Functions Face Detection Video Compression H.265+/H.265/H.264/H.264B/MJPEG Streaming Capability 3 Streams Resolution D10004x576/704x480) / CIF(352x288/352x240) Frame Rate Main Stream: 2M(1°25/30fps) Bit Rate H.264: 4Kbps*10Mbps Day/Night Auto(ICR) / Color / B/W BLC Mode Main Streams (PMC) (10004x576/10004) BLC Mode Main Streams (PMC) (10004x576/10004) Day Might Support Electrical Smart Phone iPhone, iPad, Android, Windows Phone iPhone, iPad, Android, Wind	Intelligence						Compatibility	ONVIF, PSIA, CGI
Video Compression H.265+/H.265/H.264/H.264H/H.264B/MJPEG Streaming Capability 3 Streams Certifications CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B Resolution 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240) Interface Memory Slot Micro SD Max 128GB RS485 N/A Alarm N/A Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support Electrical BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)			Tripwire, Intrusion, Object Abandoned/Missing				Max. User Access	20 users
Compression H.265+/H.264/H.264H/H.264B/MJPEG Streaming Capability 3 Streams Resolution 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240)			Face Detection	n			Smart Phone	iPhone, iPad, Android, Windows Phone
Certifications	Video							
Streaming Capability 3 Streams Certifications CE (EN 60950:2000) UI:UILG0950-1 FCC: FCC Part 15 Subpart B Resolution 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240) Interface Memory Slot Micro SD Max 128GB Memory Slot Micro SD Max 128GB R5485 N/A Frame Rate Sub Stream: D1/CIF(1~20fps) Alarm N/A Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support Electrical Day/Night Auto(ICR) / Color / B/W Electrical BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)	Compression		H.265+/H.265/H.264/H.264H/H.264B/MJPEG				Certifications	
Resolution 1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240) Interface Memory Slot Micro SD Max 128GB			3 Streams				Certifications	
D1(704×576/704×480) / CIF(352×288/352×240) Memory Slot Micro SD Max 128GB	0 1 1 1							
Main Stream: 2M(1~25/30fps) RS485 N/A	Resolution						Interface	
RS485 N/A							Memory Slot	Micro SD Max 128GB
Third Stream: 720P(1~20fps) Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support Day/Night Auto(ICR) / Color / B/W BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)	Frame Rate						RS485	N/A
Bit Rate H.264: 4Kbps~10Mbps PIR Sensor Range N/A Corridor Mode Support Day/Night Auto(ICR) / Color / B/W BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)							Alarm	N/A
Corridor Mode Support Electrical Day/Night Auto(ICR) / Color / B/W Electrical BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)	Rit Rate						DID Concor Dence	NI/A
Day/Night Auto(ICR) / Color / B/W Electrical BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af)							rin sensor kange	IVA
BLC Mode BLC / HLC / WDR(120dB) Power Supply DC12V, PoE (802.3af) May JB J EDC Longth 50m							Electrical	
Max. IR LEDs Length 50m Power Consumption Max 4.7W	BLC Mode		BLC / HLC / WDR(120dB)				Power Supply	DC12V, PoE (802.3af)
TOWER CONSUMBLICATION IN THE TOWN THE T	Max. IR LEDs Le	ength	50m				Power Consumption	Max 4.7W

DH-IPC-HFW4231B-AS-H

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Strorage Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal	
Dimensions	Ф90.4mm×241.8mm	
Weight	0.61Kg(with package 0.80kg)	

Ordering Information					
Туре	Part Number	Description			
4MP camera	DH-IPC-HFW4231B- AS-H	2MP HD WDR Network LXIR Bullet Camera, WDR, PAL			
4IVIP Calliela	IPC-HFW4231B- AS-H	2MP HD WDR Network LXIR Bullet Camera, WDR, NTSC			
Accessories	PFA135	Junction box			
(optional)	PFA152-E	Pole Mount			

Accessories

Optional:





PFA152-E Pole Mount

PFA135 Junction Box

Dimensions (mm/inch)





