

2 x 2MP Dual-sensor Network Dome Camera

H.265 True Wide Dynamic Range IR Network Camera



- Two (2) Independent 1/2.8-in. 2 MP STARVIS™ CMOS Sensors
- Dual-stream Encoding per each Channel
- H.265 and H.264 Dual Codecs
- 2 MP at 30 fps Maximum Resolution per Sensor
- Two (2) 2.8 mm Fixed Lenses
- Basic Starlight Technology for Low Light Sensitivity
- True Wide Dynamic Range (Channel 1) and True Day/Night (ICR)
- Built-in Microphone
- Intelligent Video System
- · Maximum IR LED Distance 20 m (66 ft)
- IP67 Ingress Protection and IK10 Vandal Resistance
- Five-year Warranty*













System Overview

The Dahua DH-IPC-HDBW4231FN-E2-M Dual-sensor Dome Camera features two (2) 1/2.8-in. 2 MP Progressive Scan STARVIS™ CMOS Sensors each with a 2.8 mm fixed lens. Each sensor can be positioned and configured independently of the other allowing flexible, multi-directional video surveillance that is ideal for monitoring an entire corridor or a street. The camera offers True Wide Dynamic Range, a True Day/Night IR Cut filter, IP67 Ingress protection and operation in extreme temperatures to deliver superior images in all lighting and environmental conditions.

Functions

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing details in low light applications. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

True Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera detects and captures a snapshot of human face in a defined area within a scene, and offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

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 with an IK10 impact rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in.). Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.



Technical Specification Camera Image Sensor Two (2) 1/2.8-in. 2 MP Progressive-scan CMOS Effective Pixels 1920(H) x 1080(V) RAM/ROM 512 MB / 256 MB Scanning System Progressive Electronic Shutter Speed Auto, Manual; 1/3 s to 1/100,000 s Minimum Illumination Color: 0.07 lux at F2.0 (1/3 s, 30 IRE) Color: 0.07 lux at F2.0 (1/30 s, 30 IRE) Color: 0.07 lux at F2.0 lux at F2.0 (1/30 s,							
Image Sensor	Technical Sp	eci	fication				
Effective Pixels RAM/ROM 512 MB / 256 MB Scanning System Progressive Electronic Shutter Speed Auto, Manual; 1/3 s to 1/100,000 s Color: 0.009 lux at F2.0 (1/3 s, 30 IRE) Color: 0.07 lux at F2.0 (1/3 s, 30 IRE) Olux at F2.0 with IR on S/N Ratio More than 50 dB IR Distance Distance up to 20.0 m (65.62 ft) IR On/Off Control Auto, Manual IR LEDs 10 per each Sensor Lens Lens Lens Lens Type Fixed Mount Type Board-in Focal Length Max. Aperture F2.0 Angle of View Horizontal: 110° Vertical: 60° Focus Control Fixed Detect (8 ppf) 41 m (134 ft) Installation Angle Range Pan: ±90° Tilt: 0' to 65° Rotation: 0'to 360° Video Compression H.265, H.264H, MJPEG (Sub Stream) Streaming Capability Two (2) Streams per Sensor Channel 1: 1080p at 30 fps	Camera						
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Progressive Progressive Electronic Shutter Speed	Effective Pixels			19	920(H) x 1080(V)		
Electronic Shutter Speed	RAM/ROM			5	12 MB / 256 MB		
Minimum Illumination	Scanning Syster	n		Pi	rogressive		
Minimum Illumination Color: 0.07 lux at F2.0 (1/30 s, 30 IRE) 0 lux at F2.0 with IR on 0 lux at F2.0	Electronic Shutt	er Sp	eed	Auto, Manual; 1/3 s to 1/100,000 s			
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R On/Off Control Auto, Manual	S/N Ratio			N	More than 50 dB		
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Frame Rate Channel 2: 1080p at 30 fps Channel 1: D1 at 30 fps	Resolution		720p (1280 x 720), D1 (704 x 480),				
Channel 1: D1 at 30 fps	Frame Rate	Ma	in Stream				
	. ae nate	Sul	o Stream				

	Bit Rate Control	CBR, VBR
BLC Mode BLC, HLC, True WDR (120 dB, channel 1 only) White Balance Auto, Natural, Street Lamp, Outdoor, Manual Auto, Manual Noise Reduction 3D DNR Motion Detection Region of Interest Off, On (4 Zone, Rectangle) Region of Interest Off, On (4 Zone) Smart IR Support Digital Zoom 16x Flip 0°, 90°, 180°, 270° Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, F DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, N Bonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access IO Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility Emark (ECE-Regulation No.10) ENSO155	Bit Rate	·
White Balance Auto, Natural, Street Lamp, Outdoor, Manual Auto, Manual Noise Reduction 3D DNR Motion Detection Off, On (4 Zone, Rectangle) Region of Interest Off, On (4 Zone) Smart IR Support Digital Zoom 16x Flip O*, 90*, 180*, 270* Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet R-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, F Bonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Mirro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software Mobile Operating System IOS, Android Certifications Safety Electromagnetic Compatibility ECC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	Day/Night	Auto (ICR), Color, B/W
Gain Control Noise Reduction 3D DNR Motion Detection Off, On (4 Zone, Rectangle) Region of Interest Off, On (4 Zone) Smart IR Support Digital Zoom 16x Flip O*, 90*, 180*, 270* Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPPP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access IO Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software Management Software Mobile Operating System IOS, Android Certifications Safety Electromagnetic Compatibility ECC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	BLC Mode	BLC, HLC, True WDR (120 dB, channel 1 only)
Motion Detection Off, On (4 Zone, Rectangle) Region of Interest Off, On (4 Zone) Smart IR Support Digital Zoom 16x Flip O*, 90*, 180*, 270* Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access I0 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety Electromagnetic Compatibility ENGOPSO: 2000 UL 60950-1 Electromagnetic Compatibility ECC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	White Balance	Auto, Natural, Street Lamp, Outdoor, Manual
Motion Detection Region of Interest Off, On (4 Zone, Rectangle) Smart IR Support Digital Zoom 16x Flip O*, 90*, 180*, 270* Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access I0 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	Gain Control	Auto, Manual
Region of Interest Off, On (4 Zone) Smart IR Support Digital Zoom 16x Flip O°, 90°, 180°, 270° Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, Fr DHCP, DNS, DDNS, PPPOE, IPV4/V6, QoS, UPPP, N Bonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access Local Pc for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System LOS, Android Certifications Safety Electromagnetic Compatibility FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	Noise Reduction	3D DNR
Smart IR Digital Zoom 16x Flip 0°, 90°, 180°, 270° Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPPP, NBnjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System LOS, Android Certifications Safety ENGO950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENSO155	Motion Detection	Off, On (4 Zone, Rectangle)
Digital Zoom 16x Flip 0°, 90°, 180°, 270° Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FT DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENS0155	Region of Interest	Off, On (4 Zone)
Flip 0°, 90°, 180°, 270° Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility E-mark (ECE-Regulation No.10) ENS0155	Smart IR	Support
Mirror Off, On Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, F DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, N Bonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access I0 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENS0155	Digital Zoom	16x
Privacy Masking Off, On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access IO Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) ENS0155	Flip	0°, 90°, 180°, 270°
Audio Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Mirror	Off, On
Compression G.711a, G.711Mu, AAC, G.726 Network Ethernet RJ-45 (10/100 Base-T) HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access I0 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Privacy Masking	Off, On (4 Area, Rectangle)
Network Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) EN50155	Audio	
Ethernet RJ-45 (10/100 Base-T) Protocol HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility ECC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Compression	G.711a, G.711Mu, AAC, G.726
HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FDHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, NBonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access In Users / 20 Users Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Network	
Protocol DHCP, DNS, DDNS, PPPOE, IPv4/v6, QoS, UPnP, N Bonjour, 802.1x, Multicast, ICMP, IGMP Interoperability ONVIF Profile S&G, API Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) EN50155	Ethernet	RJ-45 (10/100 Base-T)
Streaming Method Unicast. Multicast Maximum User Access 10 Users / 20 Users Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) EN50155	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
Maximum User Access 10 Users / 20 Users Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) EN50155	Interoperability	ONVIF Profile S&G, API
Edge Storage Network Attached Storage (NAS) Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Streaming Method	Unicast. Multicast
Edge Storage Local PC for Instant Recording Micro Card Slot, 128 GB maximum Web Viewer IE, Chrome, Firefox, Safari Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Maximum User Access	10 Users / 20 Users
Management Software SmartPSS, DSS, DMSS Mobile Operating System IOS, Android Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Edge Storage	Local PC for Instant Recording
Mobile Operating System Certifications Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Web Viewer	IE, Chrome, Firefox, Safari
Certifications Safety Electromagnetic Compatibility (EMC) EN60950:2000 UL 60950-1 FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Management Software	SmartPSS, DSS, DMSS
Safety EN60950:2000 UL 60950-1 Electromagnetic Compatibility (EMC) EN60950:2000 FCC Part 15 Subpart B E-mark (ECE-Regulation No.10) EN50155	Mobile Operating System	IOS, Android
Electromagnetic Compatibility (EMC) Electromagnetic Compatibility (ECE-Regulation No.10) ENS0155	Certifications	
(EMC) E-mark (ECE-Regulation No.10) EN50155	Safety	
Interface		E-mark (ECE-Regulation No.10)
	Interface	
Audio Built-in Microphone	Audio	Built-in Microphone

The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the
right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test
results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize
and Identify classifications.

Pro | DH-IPC-HDBW4231FN-E2-M

Electrical

Power Supply	12 VDC or PoE (IEEE 802.3af, Class 0)
Power Consumption	< 6.5 W

Environmental

Environmental	
Operating Temperature	-30° C to +60° C (-22° F to +140° F) Less than 95% RH
Storage Temperature	-30° C to +60° C (-22° F to +140° F) Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	ø122.0 mm x 66.20 mm (4.79 in. x 2.61 in.)
Net Weight	0.51 kg (1.11 lb)
Gross Weight	0.53 kg (1.16 lb)

Intelligence

IVS triggers an alarm and takes a defined action for the following events:

Standard Features	 Tampering with the camera. Error writing to an onboard Micro SD card. Error sending or receiving data over the network. Unauthorized access to the camera.
Premium Features	
Motion	An object moves through any part of the scene.
Tripwire	A target crosses a user-defined line.
Intrusion	A target enters or exits a defined perimeter.
Scene Change	A person or object moves the camera to change the scene or covers the camera to obscure the scene.
Abandoned/Missing Object	A target leaves an object in designated area, or a target removes an object from the same designated area.
Advanced Features	
Facial Detection	Detects and captures a snapshot of a human face in a defined area within a scene

Ordering Information				
Туре	Part Number	Description		
	DH-IPC-HDBW4231FN-E2-M	2 x 2 MP IR Multi-sensor Dome Network Camera, WDR, IVS		
Accessories, optional	PFA137	Junction Box		
	PFA152-E	Pole Mount		
	PFB203W	Wall Mount		

Accessories

Optional:







PFA152-E Pole Mount



PFB203W Wall Mount

Dimensions (mm/inch)





