

DH-IPC-HDBW4631E-ASE

6MP IR 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

ePoE technology

The ePoE technology of Dahua, designed internally, adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. Dahua ePoE technology offer a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

Wide Dynamic Range (WDR)

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 analysis (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 supports face detection to quickly capture a

- · 1/2.9" 6Megapixel progressive scan STARVIS™ CMOS
- · H.265&H.264 triple-stream encoding
- · 20fps@6MP(3072x2048), 25/30fps@4MP(2688x1520)
- · 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 optional)
- · 1/1 Alarm in/out, 1/1 audio in/out
- · Max. IR LEDs Length 30m
- · Micro SD memory, IP67, IK10, PoE













face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from-30° C to +60° C (-22° F to +140° F) with 95% humidity, allowing the camera to operate in the harshest environments.

Protection (IP67, IK10, wide voltage)

The camera allows for ±30% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.



Camera Gain Control Image Sensor 1/2.9" 6Megapixel progressive scan CMOS Noise Reduction Effective Pixels 3072(H) x 2048(V) Motion Detetion RAM/ROM 512MB/32MB Region of Interest Scanning System	Technical S	pecification					
Image Sensor	Technical Specification						
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Mount Type	Lens Type		Fixed				
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Day/Night Auto(ICR) / Color / B/W Power Consumption <5.5W			H.264: 24K ~ 10240Kbps				
n o	Day/Night						

Environmental

Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH
Strorage Conditions	-30° C ~ +60° C (-22° F ~ +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	0.41kg (0.91lb)
Gross Weight	0.53 kg (1.17lb)

Ordering Information						
Туре	Part Number	Description				
	DH-IPC- HDBW4631EP-ASE- 0360B	6MP IR Mini Dome Network Camera, WDR,PAL				
	DH-IPC- HDBW4631EN-ASE- 0360B	6MP IR Mini Dome Network Camera, WDR,NTSC				
	IPC-HDBW4631EP- ASE-0360B	6MP IR Mini Dome Network Camera, WDR,PAL				
CMD comove	IPC-HDBW4631EN- ASE-0360B	6MP IR Mini Dome Network Camera, WDR,NTSC				
6MP camera	DH-IPC- HDBW4631EP-ASE- 0280B	6MP IR Mini Dome Network Camera, WDR,PAL				
	DH-IPC- HDBW4631EN-ASE- 0280B	6MP IR Mini Dome Network Camera, WDR,NTSC				
	IPC-HDBW4631EN- ASE-0280B	6MP IR Mini Dome Network Camera, WDR,PAL				
	IPC-HDBW4631EN- ASE-0280B	6MP IR Mini Dome Network Camera, WDR,NTSC				
	PFB203W	Wall mount				
	PFA136	Junction box				
Accessories (optional)	PFA152-E	Pole mount				
	LR1002	ePoE Over Coax Converter				
	PFA200W	Rain shade				

Accessories

Optional:









PFA136 Junction Box

PFB203W Wall Mount

LR1002 PFA200W Pole Mount ePoE Over Coax Converter 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)





