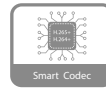


IPC-HDBW1435E-W-S2

4MP IR Dome WI-Fi Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2560 × 1440) @20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Max. IR distance: 30 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Supports 256 G Micro SD card
- 12V DC power supply, easy for installation
- IP67, IK10 protection
- Supports Wi-Fi



Series Overview

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/residences, small-sized retail stores, and other small and medium-sized enterprises.

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

WDR

With advanced Wide Dynamic Range (WDR) technology, Dahua network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Smart Illumination

Dahua Smart Illumination technology can display image in the environment of low illuminance or completely dark environment. According to the distance of the targets, the camera adjusts illuminations intensity automatically to display the details of the moving target.

Motion Detection

When moving objects appear in the monitoring image, Dahua Motion Detection (General) technology triggers alarm or records.

Day/Night

Dahua Day/Night function provides color image when illumination is adequate; when illuminance is inadequate, it switches night mode and provides white and black image. It can guarantee that the network camera can work normally when illuminance changes.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J).

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

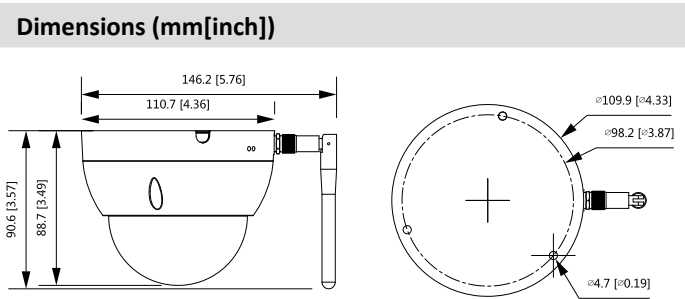
Entry Series | IPC-HDBW1435E-W-S2

Technical Specification					
Camera					
Image Sensor		1/3”4Megapixel progressive CMOS			
Max. Resolution		2560 (H) × 1440 (V)			
ROM		128 MB			
RAM		256 MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s			
Min. Illumination		Manual 1/30 s 0.8872 Lux @F2.0 (Color, 80 IRE); 1.0275 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on) Manual 1/3 s 0.0936 Lux @F2.0 (Color, 80 IRE); 0.1543 Lux @F2.0 (W/B, 80 IRE); 0 Lux (IR on)			
S/N Ratio		>51.025 dB			
Illumination Distance		30 m (98.4 ft)			
Illuminator On/Off Control		Auto			
Illuminator Number		18 (IR LED)			
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–355°			
Lens					
Lens Type		Fixed-focal			
Mount Type		M12			
Focal Length		2.8 mm 3.6 mm			
Max. Aperture		F2.0			
Field of View		2.8 mm: Horizontal: 97° Vertical: 52° Diagonal: 116° 3.6 mm: Horizontal: 76° Vertical: 42° Diagonal: 90°			
Iris Type		Fixed			
Close Focus Distance		2.8 mm: 0.8 m (2.6 ft) 3.6 mm: 1.4 m (4.6 ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	56 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	5.6 m (18.4 ft)
	3.6mm	80 m (262.5 ft)	30m (105.0 ft)	16m (52.5 ft)	8m (26.2 ft)
Video					
Video Compression		H.265; H.264; H.264H; H.264B; MJPEG			
Smart Codec		H.264: Yes H.265: Yes			
Video Frame Rate		50 Hz Main stream (2560 × 1440 @20 fps), sub stream (640 × 480 @20 fps) Main stream (2304 × 1296 @25 fps), sub stream (640 × 480 @25 fps) 60 Hz Main stream (2560 × 1440 @20 fps), sub stream (640 × 480 @20 fps) Main stream (2304 × 1296 @30 fps), sub stream (640 × 480 @30 fps)			

Stream Capability		2 streams	
Resolution		4M (2560 × 1440); 2M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); VGA (640 × 480); QVGA (320 × 240)	
Bit Rate Control		CBR/VBR	
Video Bit Rate		H.264: 24 kbps–8192 kbps H.265: 9 kbps–7424 kbps	
Day/Night		Auto (ICR)/Color/B/W	
BLC		Yes	
HLC		Yes	
WDR		DWDR	
White Balance		Auto/natural/street lamp/outdoor/manual/regional custom	
Gain Control		Auto/Manual	
Noise Reduction		3D DNR	
Motion Detection		OFF/ON (4 areas, rectangular)	
Region of Interest (RoI)		Yes (4 areas)	
Smart Illumination		Yes	
Image Rotation		0°/90°/180°/270° (Support 90°/270° with all resolution)	
Mirror		Yes	
Privacy Masking		4 areas	
Alarm			
Alarm Event		No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering	
Network			
Network		RJ-45 (10/100 Base-T)	
Wi-Fi		Yes	
SDK and API		Yes	
Protocol		HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; IPv4/v6; QoS; NTP	
Interoperability		ONVIF (Profile T/Profile S/Profile G); CGI; DMSS	
User/Host		20 (Total bandwidth: 40 M)	
Storage		FTP; SFTP; Micro SD card (256 G); NAS	
Browser		IE: IE9, IE11 and later Chrome: 39.0.2171.95, and later version without plug-in (62.0.3202.94) Firefox: 43.0.1 and later version without plug-in (69.0.3)	
Management Software		DMSS	
Mobile Phone		IOS; Android	
Certification			
Certification		CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU CE-RED: Radio Equipment Directive 2014/53/EU FCC: 47 CFR FCC Part 15, Subpart B FCC ID: FCC PART 15C	

Entry Series | IPC-HDBW1435E-W-S2

Power	
Power Supply	12V DC
Power Consumption	Max 4.9W (12V DC) (IR full intensity)
Environment	
Operating Conditions	−30°C to +50°C (−22°F to +122°F)/Less than 95%RH
Storage Conditions	−40°C to +60°C (−40°F to +140°F)
Protection Grade	IP67; IK10
Structure	
Casing	Metal
Dimensions	146.2 mm × 110.7 mm × 90.6 mm (5.8" × 4.4" × 3.6") (L × W × H)
Net Weight	408 g (0.9 lb)
Gross Weight	729 g (1.6 lb)



Ordering Information		
Type	Model	Description
4MP Camera	DH-IPC-HDBW1435EP-W-0280B-S2	4MP IR DOME Wi-Fi Camera, PAL
	DH-IPC-HDBW1435EN-W-0280B-S2	4MP IR DOME Wi-Fi Camera, NTSC
	DH-IPC-HDBW1435EP-W-0360B-S2	4MP IR DOME Wi-Fi Camera, PAL
	DH-IPC-HDBW1435EN-W-0360B-S2	4MP IR DOME Wi-Fi Camera, NTSC
Accessories (optional)	PFA136	Junction Box
	PFB203W	Wall Mount
	PFA152-E	Pole Mount

Accessories

Optional:



PFA136
Junction Box



PFB203W
Wall Mount



PFA152-E
Pole Mount

Junction Mount	Wall Mount	Pole Mount (Vertical)