

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 works 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.



Max. Resolution 2560 (H) × 1 ROM 128 MB RAM 256 MB Scanning System Progressive	ixel progressive C 440 (V)	CMOS		Resolution	4M (2560 × 1440); 2M (2304 × 1296); 1080p (1920 ×
Max. Resolution 2560 (H) × 1 ROM 128 MB RAM 256 MB Scanning System Progressive		CMOS		Recolution	1000) 1 204 (1200 - 000) 720 (1200 720) 1/21 (210
ROM 128 MB RAM 256 MB Scanning System Progressive	440 (V)			Resolution	1080); 1.3M (1280 × 960); 720p (1280 × 720); VGA (640 × 480); QVGA (320 × 240)
RAM 256 MB Scanning System Progressive		2560 (H) × 1440 (V)			CBR/VBR
Scanning System Progressive		ROM 128 MB			H.264: 24 kbps–8192 kbps H.265: 9 kbps–7424 kbps
	256 MB			Day/Night	Auto (ICR)/Color/B/W
	Scanning System Progressive			BLC	Yes
ectronic Shutter Speed Auto/Manual 1/3 s-1/100,000 s				HLC	Yes
Manual 1/30 0.8872 Lux 6) s @F2.0 (Color, 80 II	IRF): 1.0275 Lu	ıx @F2.0	WDR	DWDR
Min. Illumination (W/B, 80 IRE Manual 1/3); 0 Lux (IR on)			White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
); 0 Lux (IR on)			Gain Control	Auto/Manual
S/N Ratio >51.025 dB	>51.025 dB			Noise Reduction	3D DNR
Illumination Distance 30 m (98.4 ft	Illumination Distance 30 m (98.4 ft)			Motion Detection	OFF/ON (4 areas, rectangular)
Illuminator On/Off Control Auto				Region of Interest (RoI)	Yes (4 areas)
Illuminator Number 18 (IR LED)				Smart Illumination	Yes
Pan/Tilt/Rotation Range Tilt: 0°–90°				Image Rotation	0°/90°/180°/270° (Support 90°/270° with all resolution)
Rotation: 0°–355° Lens				Mirror	Yes
Lens Type Fixed-focal				Privacy Masking	4 areas
	M12			Alarm	
Focal Length 2.8 mm 3.6 mm	2.8 mm			Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering
Max. Aperture F2.0				Network	
2.8 mm: Horizontal: 97°		Network	RJ-45 (10/100 Base-T)		
Vertical: 52° Diagonal: 11	6°			Wi-Fi	Yes
3.6 mm: Horizontal: 7	'6°			SDK and API	Yes
Vertical: 42° Diagonal: 90	•			Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP;
Iris Type Fixed					DHCP; DNS; IPv4/v6; QoS; NTP
Close Focus Distance 2.8 mm: 0.8 3.6 mm: 1.4				Interoperability	ONVIF (Profile T/Profile S/Profile G); CGI; DMSS
Lens Detect	Observe	Recognize	Identify	User/Host	20 (Total bandwidth: 40 M)
DORI Distance 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)	Storage	FTP; SFTP; Micro SD card (256 G); NAS
3.6mm 80 m (262.5 ft)	30m (105.0 ft)	16m (52.5 ft)	8m (26.2 ft)	Browser	IE: IE9, IE11 and later Chrome: 39.0.2171.95, and later version without plug-in (62.0.3202.94)
Video					Firefox: 43.0.1 and later version without plug-in (69.0.3)
Video Compression H.265; H.264; H.264H; H.264B; MJPEG				Management Software	DMSS
Smart Codec H.264: Yes H.265: Yes				Mobile Phone	IOS; Android
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 (2500 × 1200 fps), sub stream (640 × 480 @20 fps) Main stream (2304 × 1296 @30 fps), sub stream (640 × 1296 @30 fps), sub stream (640 × 1296 @30 fps)		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		

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 \times 110.7 mm \times 90.6 mm (5.8" \times 4.4" \times 3.6") (L \times W \times H)
Net Weight	408 g (0.9 lb)
Gross Weight	729 g (1.6 lb)

Ordering Information					
Туре	Model	Description			
	DH-IPC-HDBW1435EP-W- 0280B-S2	4MP IR DOME Wi-Fi Camera, PAL			
4MP	DH-IPC-HDBW1435EN-W- 0280B-S2	4MP IR DOME Wi-Fi Camera, NTSC			
Camera	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	Wa ll Mount	Pole Mount(Vertical)



