

IPC-HDBW4431EP-ASE-0280B

4-megapixel IP video kamera designed for installation in internal security systems

- Pixels: 2688 x 1520
- Video compression:H. 265+ / H. 265 / H. 264+ / H. 264; CBR / VBR; BLC / HLC / WDR(120dB); 3D DNR
- IR=30 m
- Fixed lens
- F=2.8 mm
- IP67

Type	IP
Megapixel	4 MP
Objective	Motionless
Focus	2.8 mm
Lighting	IR
Lighting distance	30 m
Protection	IP67
Material	Metal



Model	IPC-HDBW4431EP-ASE-0280B
Camera	
The matrix	1/3" 4 MP Progressive Scan CMOS
Effective pixels	2688 x 1520
RAM / ROM	512 Mb / 32 Mb
Scanning system	Progressive
Electronic shutter speed	Auto / Manual, 1 / 3 (4) ~ 1 / 100000 with
Mines. lighting	0.06 Lux / F1. 6 (Color, 1/3 s, 30IRE) 0.4 Lux / F1. 6 (Color, 1/30 s, 30IRE) 0Lux /

	F16 (IR on)				
Signal-to-noise ratio	More than 50dB				
IR distance	Up to 30 m (98 ft)				
IR control on / off	Auto / Manual				
IR LEDs	18				
Lens					
Lens Type	Fixed				
Focal length	2.8 mm				
Max. aperture	F1.6				
Viewing angle	104°				
Optical zoom	No				
Focus Management	Fixed value				
The focal length is closed	0.9 m				
DOPE Distance	Lens	Detection	Notifications	Speech recognition	Identification
	2.8 mm	56m (184ft)	22m (72ft)	11m (36ft)	6m (20ft)
Panning / Tilt / Rotate					
Panning / Tilt / Rotate	Pan:0~ 355; Tilt:0~ 64; Rotation:0~ 355				
Intellectual properties					
IVS	Stretching / Invasion / Abandoned / Lost Objects				
Advanced Smart Properties	Face Detection				
Video					
Compression	H.265+ / H.265 / H.264+ / H.264				

Streaming capabilities	3 streams
Permission	4M (2688 × 1520) / 3M (2304 × 1296) / 1080P (1920 × 1080) / 1.3M (1280 × 960) / 720P (1280 × 720) / D1 (704 × 576 / 704 × 480) / VGA (640 × 480) / CIF (352 × 288 / 352 × 240)
Frame Rate	Main Stream:4M(1 ~ 25 / 30fps)
	Additional stream:D1(1 ~ 25 / 30fps)
	Third stream: 720P(1 ~ 25 / 30fps)
Managing the bitrate	CBR / VBR
Bit rate	H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps
Day / Night	Auto (ICR) / Color / B / W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto / Natural / Street Lamp / Outdoor activities / Manually
Gain control	Auto / Manual
Noise reduction	3D DNR
Motion Detection	Off / On (4 zones, rectangle)
Area of interest	Off / On (4 zones)
Electronic Image Stabilization (EIS)	No
Smart IR	Supports
Prevent fogging	No
Digital zoom	16x
Rotate the frame	0°/ 90°/ 180°/ 270°
Display	Off / On
Privacy Mask	Off / On (4 Zones, Rectangle)
Audio	

Compression	G.711a / G.711Mu / AAC / G.726
Network	
Ethernet	RJ-45 (10 / 100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP;FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS;UPnP;NTP; Bonjour; 802.1 x; Multicast; ICMP; IGMP; SNMP
Compatibility	ONVIF, PSIA, CGI
Streaming method	Unicast / Multicast distribution
Max. user access	10 / 20 users
Keeping	NAS Local PC for instant recording Micro SD Card 128 GB
Web Browsing	IE, Chrome, Firefox, Safari
Management software	Smart PSS, DSS, Easy4ip
Smartphones	IOS, Android
Interface	
Video interface	No
Audio interface	1 input / 1 output
RS485	No
Anxiety	1 channel Input: 5mA 5VDC 1 channel Output:300mA 12VDC
Protection	
Degree of protection	IP67
Vandal-proof protection	IK10
Certificates	
Certificates	CE (EN 60950: 2000) UL:UL60950-1 FCC: FCC Part 15, Subsection B

Environment	
Operating conditions	30 ° C ~ + 60 ° C (-22 ° F ~ + 140 ° F) / Less than 95% RH
Storage conditions	-30 ° C ~ + 60 ° C (-22 ° F ~ + 140 ° F) / Less than 95% RH
Electrical properties	
Power supply	DC12V, PoE (802.3 af) (Class 0)
General information	
Body	Metal
Mounting type	Wall mounted
Colour	White
Sizes	Φ109. 9 mm × 81 mm (4.33 " × 3.19")
Net Weight	0.41 kg (0.91 lb)
Gross Weight	0.53 kg (1.17 lb)