

IPC-HDBW2431FP-AS-0280B-S2

- 4-megapixel IP video kamera designed for installation in internal security systems
- Pixels: 2688 × 1520
- Video compression:H. 265; H. 264; H. 264B; MJPEG; BLC; HLC; WDR; 3D NR
- Built-in Microphone
- 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
Microphone	Mic
Protection	IP67
Material	Metal



Model	IPC-HDBW2431FP-AS-0280B-S2
Camera	
The matrix	1/3" 4 MP Progressive Scan CMOS
Effective pixels	2688 × 1520
ROM	128 MB
RAM	128 MB
Scanning system	Progressive

Electronic shutter speed	Auto / Manual 1 / 3 seconds- 1 / 100 000 with				
Mines. lighting	0.008 Lux F1. 6				
Signal-To-Noise Ratio	> 56 dB				
IR distance	30 m (98.4 ft)				
IR Control On / Off	Auto / Manual				
IR LEDs	8				
Pan / Tilt / Rotate Range	Pan:-30° - 30° Tilt:0° - 80° Rotation:0° - 360°				
Lens					
Lens Type	Fixed				
Focal length	2.8 mm				
Max. aperture	F1.6				
Viewing angle	Horizontally:102° x Vertical:55° x Diagonal:121°				
IR Type	Fixed				
Closed focal length	0.9 m (3.0 ft)				
DOPE Distance	Lens	Detection	Notification	Speech recognition	Identification
	2.8 mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	5.6 m (8.5 ft)
Smart Events					
IVS	Stretching; Intrusion				
Video					
Video compression	H. 265; H. 264; H. 264B; MJPEG (supported only by an additional stream)				
Smart Codec	Smart H.265+ / Smart H.264+				

Video Frame Rate	Main stream: 2688 × 1520 (1-20 frames / c) 2560 × 1440 (1 fps - 25/30 fps / c) Additional stream: 704 × 576 (1-25 frames / c) 704 × 480 (1 to 30 frames per second)
Streaming capabilities	2 streams
Permission	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (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)
Data transfer rate monitoring	CBR / VBR
Video Bitrate	H.264:32 kbps - 6144 kbps H.265:12 kbps - 6144 kbps
Day / Night	Auto (IR) / Color / B / W
BLC	There are
HLC	There are
WDR	120 dB
White Balance	Auto / Natural / Street Lamp / Outdoors / Manually / Regionally
Gain control	Auto / Manual
Noise reduction	3D NR
Motion Detection	Off / On (4 Zones, Rectangle)
Area of Interest (RoI)	Yes (4 Zones)
Smart Lighting	There are
Rotate the frame	0 ° / 90 ° / 180 ° / 270 ° (supports 90 ° / 270 ° with a resolution of 2688 × 1520 and lower.)
Display	There are
Privacy Mask	4 zones
Audio	
Built-in microphone	There are

Audio compression	G.711a; G.711Mu; G.726
Anxiety	
Disturbing events	No SD Card; SD card is full; SD card error; Network Outage; IP Conflict; Illegal Access; Motion Detection; Video Violation; Stretching; Intrusion; Sound Detection; Voltage Detection; Security Exception; Local Alarm
Network	
Network	RJ-45 (10 / 100 Base-T)
SDK and API	There are
Cybersecurity	Video encryption; Firmware encryption; Configuration Encryption; Digest; WSSE; Account Lockout; Security Logs; IP / MAC Filtering; X. 509 Certificate Generation and Import; System Log; HTTPS; 802.1 x; Trusted Download; Trusted Execution; Reliable Update
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Многоадресная рассылка; ICMP; IGMP; NFS; PPPoE; Bonjour
Compatibility	ONVIF (Profile S / Profile G / Profile T); CGI; P2P; Milestone; Genetec
User / Host	20
Keeping	FTP; SFTP; Micro SD card (support max. 256 GB); NAS
Browser	IE Chrome Firefox
Management software	Smart PSS, DSS, DMSS
Smartphones	IOS; Android
Certificates	
Certificates	CE-LVD:EN62368-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30 / EU FCC:47 CFR FCC, Part 15, Subsection B UL / CUL:UL60950-1 CAN / CSA C22.2 No. 60950-1-07
Ports	
Audio input	1 channel (RCA port)
Audio output	1 channel (RCA port)
Alarm input	1 channel in:5 mA 3-5 VDC

Alarm output	1 channel output:300mA 12VDC
Protection	
Degree of protection	IP67; IK10
Environment	
Operating temperature	-40 ° C to + 60 ° C (-40 ° F to + 140 ° F) / Less than ≤ 95% RH
Storage temperature	-40 ° C to + 60 ° C (-40 ° F to + 140 ° F)
Electrical properties	
Power supply	12V DC / PoE
Power consumption	
General information	
Body	Metal
Mounting type	M12
Colour	White
Sizes	55mm × Φ108. 9mm (2.2 "× Φ4. 3")
Net Weight	0.38 kg (0.8 lb)
Gross Weight	0.52 kg (1.1 lb)