

## IPC-HDBW4231EP-ASE-0360B

- 2-megapixel IP video kamera designed for installation in internal security systems
- Pixels:1920 x 1080
- IR=30 m
- Video compression:H. 265+ / H. 265 / H. 264+ / H. 264; BLC / HLC / WDR(120dB); 3D DNR
- F=3.6 mm
- IP67

Type	IP
Megapixel	2 MP
Objective	Motionless
Focus	3.6 mm
Lighting	IR
Lighting distance	30 m
Protection	IP67
Material	Metal



### Detailed

<b>Model</b>	<b>IPC-HDBW4231EP-ASE-0360B</b>
<b>Camera</b>	
The matrix	1/2. 8 2 MP Progressive Scan CMOS
Effective pixels	1920 x 1080
RAM / ROM	256 Mb / 32 Mb
Scanning system	Progressive
Electronic shutter speed	Auto / Manual, 1 / 3 (4) ~ 1 / 100000 s
Mines. lighting	0.007 Lux / F1. 6 (Color, 1/3 s, 30IRE) 0.06 Lux / F1. 6 (Color, 1/30 s, 30IRE)

	F1. 6 (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			
<b>Lens</b>				
Lens Type	Fixed			
Focal length	3.6 mm			
Max. aperture	F1.6			
Viewing angle	87°			
Optical zoom	No			
Focus Management	Fixed value			
Closed focal length	1.2 m			
DOPE distance	Detection	Notification	Speech recognition	Identification
	55 m	22 m	11 m	6 m
<b>Panning / Tilt / Rotate</b>				
Panning / Tilt / Rotate	Pan:0~ 355; Tilt:0~ 65; Rotation:0~ 355			
<b>Intellectual properties</b>				
IVS	Stretching / Invasion / Abandoned / Lost Objects			
Advanced Smart features	Face recognition			
<b>Video</b>				
Compression	H.265+ / H.265 / H.264+ / H.264			

Streaming capability	3 streams
Permission	1080P (1920 x 1080) / 1.3M (1280 x 960) / 720P (1280 x 720) / D1 (704 x 576 / 704 x 480) / VGA (640 x 480) / CIF (352 x 288 / 352 x 240)
Frame Rate	Main Stream:1080P(1 ~ 50 / 60 fps) Additional stream:D1(1 ~ 50 / 60 fps) Third stream:1080P(1 ~ 25 / 30 fps)
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)
<b>Audio</b>	
Compression	G.711a / G.711Mu / AAC / G.726

<b>Network</b>	
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; 802.1x; Многоадресная рассылка; 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
<b>Certificates</b>	
Certificates	CE (EN 60950: 2000) UL:UL60950-1 FCC: FCC Part 15, Subsection B
<b>Interface</b>	
Video interface	No
Audio interface	1 input / 1 output
RS485	No
Anxiety	1 vx:5 mA 5VDC 1 output: 300 mA 12VDC
<b>Protection</b>	
Degree of protection	IP67
Vandal-proof protection	IK10

<b>Environment</b>	
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
<b>Electrical properties</b>	
Power supply	DC12V, PoE (802.3 af) (Class 0)
Power consumption	
<b>General information</b>	
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)