

IPC-HFW81230EP-Z

- 12-megapixel IP video kamera
- Pixels:4000 x 3000
- Motorized
- H.265+ / H.265 / H.264+ / H.264 ; 3D DNR; BLC / HLC / DWDR / SSA; RJ-45 (100 / 1000 Base-T)

Type	IP
Megapixel	12 MP
Objective	Motorized
Lighting	IR
Lighting distance	50 m
Protection	IP67
Material	Metal



Model	IPC-HFW81230EP-Z
Camera	
The matrix	1/1. 7 "12 MP Progressive Scan CMOS
Effective pixels	4000 x 3000
RAM / ROM	1024 Mb / 128 Mb
Scanning system	Progressive
Electronic shutter speed	Auto / Manual, 1/3 ~ 1/100000 s
Mines. lighting	0.01 Lux / F1. 53 (Color, 1/3 s, 30IRE) 0.1 Lux / F1. 53 (Color, 1/30 s, 30IRE) 0 Lux / F1. 53 (IR On)

Signal-To-Noise Ratio		More than 50dB			
IR distance		Up to 50 m (164 ft)			
IR Control On / Off		Auto / Manual			
IR LEDs		4			
Lens					
Lens Type		Motorized / Auto Iris (HALL)			
Focal length		4.1 ~ 16.4 mm motorized			
Max. aperture		F1.53			
Viewing angle		85°~ 35°			
Optical zoom		4x			
Focus Management		Motorized			
Closed focal length		0.5 m (1.64 ft)			
DOPE Distance	Lens	Detection	Notification	Speech recognition	Identification
	W	115 m (377 ft)	46 m (151 ft)	23 m (75 ft)	11 m (36 ft)
	T	227 m(909 ft)	111 m (364 ft)	55 m (180 ft)	28 m (92 ft)
Panning / Tilt / Rotate					
Pan / Tilt / Rotate Range		Pan:0~ 360; Tilt:0~ 90; Rotation:0~ 360			
Intellectual properties					
IVS		Stretching, Intrusion, Abandoned / Lost Objects			
Advanced Smart features		Face Recognition, Counting people, Heat Map			
Video					
Compression		H.265+ / H.265 / H.264+ / H.264			
Streaming capabilities		3 streams			

Permission	12M (4000 x 3000) / 4K (3840 x 2160) / 6M (3072 x 2048) / 5M (2560 x 1920) / 3M (2048 x 1536) / 3M (2304 x 1296) / 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 / 342 x 240)
Frame Rate	Main Stream:12M (1 ~ 20fps) / 4K (1 ~ 25 / 30fps)
	Additional stream:D1 (1 ~ 25 / 30fps)
	Third stream:1080P (1 ~ 25 / 30fps)
Bitrate control	CBR / VBR
Bit rate	H.264: 24~ 16384Kbps H.265: 14~ 9984Kbps
Day / Night	Auto (ICR) / Color / B / W
BLC Mode	BLC / HLC / DWDR/ SSA
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)	Supports
Smart IR	Supports
Prevent fogging	Supports
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 (100 / 1000Base-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 card128 GB capacity
Web Browsing	IE, Chrome, Firefox, Safari
Management software	Smart PSS, DSS, Easy4ip
Smartphones	IOS, Android
Certificates	
Certificates	CE (EN 60950: 2000) UL:UL60950-1 FCC: FCC, Part 15, Subsection B
Interface	
Video interface	1 port (for configuration only)
Audio interface	1 Vx. / 1 Output.
RS485	No
Anxiety	2 channels Input:5mA 5VDC 1 channel Output:1A 30VDC / 0.5 A 50VAC
Protection	
Degree of protection	IP67
Vandal-proof protection	IK10
Environment	
Operating conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95 % RH
Storage conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95 % RH

Electrical properties	
Power supply	DC12V, PoE + (802.3 at) (Class 4)
General information	
Body	Metal
Mounting type	Wall mounted
Colour	White
Sizes	273.2 mm × 95.0 mm × 96.4 mm (10.76 × 3.74 × 3.79 ")
Net Weight	1.12 kg (2.47 lb)
Gross Weight	1.52 kg (3.35 lb)