

# IPC-HUM4231SP-L4-0280B-S3

IPC-HUM4231SP-L4-0280B-S3



Model	IPC-HUM4231SP-L4-0280B-S3
Brend	Dahua
Növ	IP
Meqapixel	2 MP
Mikrofon	Mic
Obyektiv	Sabit
Fokus	2.8
İşıqlandırma	İR
İşıqlandırma məsafəsi	20 m
Qoruma	IP67
Material	Metal

## Specification

Model	IPC-HUM4231SP-L4-0280B-S3
Camera	
Matrix	1/3" CMOS
Effective pixels	1920×1080
ROM	128 MB
RAM	128 MB
Scanning system	Progressive
Electronic shutter speed	Auto / Manual 1 / 3 s - 1 / 100,000 s
Min. lighting	0.01 Lux at F2.0 (Color, 30 IRE) 0.001 Lux at F2.0 (B/W, 30 IRE)
Signal/Noise Ratio	>56 dB
Lens	
Lens type	Fixed
Mounting type	M12
Focal length	2.8 mm

Max. diaphragm	F2.0				
Viewing angle	Horizontal:96°; Vertical:55°; Diagonal:110°				
IR control	Fixed				
Closed focal length	0.8 m (2.62 ft)				
DOOR Distance	Lens	Detection	Notification	Recognition	Identification
	2.8 mm	61.0 m (200.13 ft)	24.4 m (80.05 ft)	12.2 m (40.03 ft)	6.4 m (20.01 ft)
Smart events					
IVS	Tripwire/Invasion				
Video					
Video compression	N.265; H.264; N.264B; MJPEG (Only supported by additional stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video frame rate	Main stream: 1920 × 1080 @ (1-25/30 fps) Sub. Stream: 704 × 576 (1-25 fps) / 704 × 480 (1-30 fps) * The above values are the maximum frame rates of each stream; for multiple streams, the values will depend on the total encoding capacity.				
Streaming Features	2 streams				
Permission	1080p (1920 × 1080); 1.3M (1920 × 960); 720p (1280 × 720); D1 (704 × 576 / 704 × 480); VGA (640 × 480); CIF(352 × 288 / 352 × 240)				
Data transfer rate control	CBR/VBR				
Video bit rate	H.264:3 kbps-6144 kbps H.265:3 kbps-6144 kbps				
Day Night	Color/B/W				
BLC	Eat				
HLC	Eat				
WDR	120 dB				
White Balance	Auto / Natural light / Street lamp / Outdoor / Manual / Regular				
Gain control	Auto / Manual				
Noise suppression	3D NR				
Motion Detection	Off / On (4 Zones, Rectangle)				
Area of Interest (RoI)	Yes (4 Zones)				
Frame rotation	0° / 90° / 180° / 270° (Support 90° / 270° with 1080P resolution and below)				
Display	Eat				
Privacy mask	4 zones				
Audio					
Built-in microphone	Eat				
Audio compression	G.711a; G.711Mu; PCM; G.726				
Anxiety					
Alarming events	Network shutdown; IP conflict; Illegal access; Motion Detection; Video violation; Stretching; Invasion; Sound detection; Voltage detection; Security Exception				
Net					
Network port	RJ-45 (10/100 Base-T)				
SDK and API	Eat				
Cyber security	Video encryption; Firmware encryption; Configuration encryption; Digest; WSSE; Account blocking; Security logs; IP/MAC filtering; Generate and import X.509 certificate; System log; HTTPS; 802.1x; Trusted download; Entrusted execution; Reliable update				
Network protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour				

<b>Compatibility</b>	ONVIF (Profile S / Profile T); CGI; P2P; Milestone
<b>User/Host</b>	20 (Total bandwidth: 48 MB)
<b>Storage</b>	FTP; SFTP; NAS
<b>Browser</b>	IE Chrome Firefox
<b>Management software</b>	Smart PSS; DSS; DMSS
<b>Smartphones</b>	iOS; Android
<b>Ports</b>	
<b>Audio Input</b>	1 channel (RCA port)
<b>Audio Output</b>	1 channel (RCA port)
<b>Certificates</b>	
<b>Certificates</b>	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15 Subpart B
<b>Environment</b>	
<b>Operating temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Operating humidity</b>	≤95%
<b>Storage temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Electrical properties</b>	
<b>Power supply</b>	12 VDC
<b>Power consumption</b>	Base:1.2W (12VDC) Max:(H.265 + Smart On + WDR): 1.56W (12VDC)
<b>General information</b>	
<b>Frame</b>	Metal
<b>Color</b>	Black
<b>Dimensions</b>	31.0 mm × 31.0 mm × 30.0 mm (1.22" × 1.22" × 1.18")
<b>Net weight</b>	81 g (0.18 lb)
<b>Gross weight</b>	138 g (0.30 lb)