

Camera IPC-HUM4231SP-L4-0280B

- 2 megapixel IP video camera designed for installation in internal security systems
- Pixels: 1920 × 1080
- F=2.8 mm
- Video compression: H. 265; H. 264; H. 264B; MJPEG; BLC; HLC; WDR; 3D NR
- Built-in Microphone

Type	IP
Megapixel	2 MP
Objective	Motionless
Focus	2.8 mm
Lighting	IR
Lighting distance	20 m
Microphone	Mic
Protection	IP67
Material	Metal



Detailed

Model	IPC-HUM4231SP-L4-0280B-S3
Camera	
The 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
Mines. lighting	0.01 Lux at F2. 0 (Color, 30 IRE)

		0.001 Lux at F2. 0 (B / W, 30 IRE)			
Signal-To-Noise Ratio		>56 dB			
Lens					
Lens Type		Fixed			
Mounting type		M12			
Focal length		2.8 mm			
Max. aperture		F2.0			
Viewing angle		Horizontal:96°; Vertical:55°; Diagonally:110°			
IR Control		Fixed value			
Closed focal length		0.8 m (2.62 ft)			
DOPE Distance	Lens	Detection	Notification	Speech 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		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:1920 × 1080 @ (1-25/30 fps) Additional 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 capabilities		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 monitoring		CBR / VBR			
Video Transfer rate		H.264:3 kbps-6144 kbps H.265:3 kbps-6144 kbps			

Day / Night	Color / B / W
BLC	There are
HLC	There are
WDR	120 dB
White Balance	Auto / Natural Light / Street Lamp / Outdoor activities / Manually / Reginally
Gain control	Auto / Manual
Noise reduction	3D NR
Motion Detection	Off / On (4 Zones, Rectangle)
Area of Interest (Rol)	Yes (4 Zones)
Rotate the frame	0° / 90° / 180° / 270° (Support 90° / 270° with 1080P resolution and below)
Display	There are
Privacy Mask	4 zones
Audio	
Built-in microphone	There are
Audio compression	G.711a; G.711Mu; PCM; G.726
Anxiety	
Disturbing events	Network Outage; IP Conflict; Illegal Access; Motion Detection; Video Violation; Stretching; Intrusion; Sound Detection; Voltage Detection; Security Exception
Network	
Network Port	RJ-45 (10 / 100 Base-T)
SDK and API	There are
Cyber Security	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
Network 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 T); CGI; P2P; Milestone

User / Host	20 (Total throughput:48 Mb)
Keeping	FTP; SFTP; NAS
Browser	IE Chrome Firefox
Management software	Smart PSS; DSS; DMSS
Smartphones	iOS; Android
Ports	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Certificates	
Certificates	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30 / EU; FCC: 47 CFR FCC Part 15, Subsection B
Environment	
Operating temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating humidity	≤95 %
Storage temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Electrical properties	
Power supply	12 VDC
Power consumption	Basic information:1.2 W (12 vdc) Max.: (H. 265 + Intelligence incl. + WDR): 1.56 W (12 VDC) current consumption)
General information	
Body	Metal
Colour	Black
Sizes	31.0 mm × 31.0 mm × 30.0 mm (1.22" × 1.22" × 1.18")
Net Weight	81 g (0.18 lb)

Gross Weight	138 g (0.30 lb)
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