

# IPC-HUM4231SP-L4-0280B-S3

IPC-HUM4231SP-L4-0280B-S3



|                       |                           |
|-----------------------|---------------------------|
| Model                 | IPC-HUM4231SP-L4-0280B-S3 |
| Brend                 | Dahua                     |
| İş mühiti             | Indoor                    |
| Növ                   | IP                        |
| Meqapixel             | 2 MP                      |
| Mikrofon              | Mic                       |
| Obyektiv              | Sabit                     |
| Fokus                 | 2.8mm                     |
| 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)<br>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<br>(200.13 ft) | 24.4 m<br>(80.05 ft) | 12.2 m<br>(40.03 ft) | 6.4 m<br>(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)<br>Sub. Stream: 704 × 576 (1-25 fps) / 704 × 480 (1-30 fps)<br>* 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<br>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   |                       |                      |                      |                     |
| Compatibility              | ONVIF (Profile S / Profile T); CGI; P2P; Milestone   |                       |                      |                      |                     |
| User/Host                  | 20 (Total bandwidth: 48 MB)  |                       |                      |                      |                     |
| Storage                    | FTP; SFTP; NAS   |                       |                      |                      |                     |
| Browser                    | IE<br>Chrome<br>Firefox  |                       |                      |                      |                     |
| Management software        | Smart PSS; DSS; DMSS   |                       |                      |                      |                     |
| Smartphones                | 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;<br>CE-EMC: Electromagnetic Compatibility Directive<br>2014/30/EU;<br>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)<br>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)   |