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Taste of technology

**TEXNIKI SƏNƏD**

29.11.2026

DAHUA

# IPC-HDBW2441EP-S-0280B

Kod: 00-00004182 · Kamera




DAHUA - IPC-HDBW2441EP-S-0280B ( 2,8mm ) - 4MP NETWORK KAMERA

## Texniki göstəricilər

| | |
|---|---|
| **IP**<br>Növ | **4 MP**<br>Meqapixel |
| **30 m**<br>İşıqlandırma məsafəsi | **Sabit**<br>Obyektiv |
| **2.8mm**<br>Fokus | **İR**<br>İşıqlandırma |
| **MicroSD**<br>Yaddaş | **Indoor**<br>İş mühiti |
| **IP67**<br>Qoruma | **Metal**<br>Material |

## Ətraflı məlumat

| | |
|---|---|
| **Camera** | |
| Image Sensor | 1/2.9" CMOS |
| Max. Resolution | 2688 (H) × 1520 (V) |
| ROM | 128 MB |
| RAM | 128 MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s |
| Min. Illumination | 0.006 lux@F1.6 (Color, 30 IRE)<br>0.0006 lux@F1.6 (B/W, 30 IRE)<br>0 lux (Illuminator on) |
| S/N Ratio | >56 dB |
| Illumination Distance | up to 30 m (98.43 ft) (IR LED) |
| Illuminator On/Off Control | Auto;Manual |
| Illuminator Number | 3 (IR LED) |
| Pan/Tilt/Rotation Range | Pan: 0°–355°<br>Tilt: 0°–65°<br>Rotation: 0°–355° |
| **Lens** | |
| Lens Type | Fixed-focal |
| Lens Mount | M12 |

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|---|---|---|---|---|---|
| Focal Length | 2.8 mm; 3.6 mm | | | | |
| Max. Aperture | F1.6 | | | | |
| Field of View | 2.8 mm: H: 102°; V: 54°; D: 121°<br>3.6 mm: H: 84°; V: 42°; D: 101° | | | | |
| Iris Control | Fixed | | | | |
| Close Focus Distance | 2.8 mm: 1.1 m (2.30 ft)<br>3.6 mm: 1.7 m (4.27 ft) | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | 2.8 mm | 63.6 m (208.66 ft) | 25.4 m (83.33 ft) | 12.7 m (41.67 ft) | 6.4 m (21.00 ft) |
| | 3.6 mm | 85.4 m (280.18 ft) | 34.2 m (112.20 ft) | 17.1 m (56.10 ft) | 8.5 m (27.89 ft) |
| **Intelligence** | | | | | |
| IVS (Perimeter Protection) | Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human) | | | | |
| Smart Search | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos | | | | |
| **Video** | | | | | |
| Video Compression | H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream) | | | | |
| Smart Codec | Smart H.265+; Smart H.264+ | | | | |
| Video Frame Rate | Main stream: 2688 × 1520@(1–20 fps)/2560 × 1440@(1–25/30 fps)<br>Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)<br>*The values above are the max. frame rates of each stream;<br>for multiple streams, the values will be subjected to the total encoding capacity. | | | | |

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| Stream Capability | 2 streams |
| Resolution | 4M (2688 × 1520/2560 × 1440); 3M (2304 × 1296);<br>1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720);<br>D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240) |
| Bit Rate Control | CBR/VBR |
| Video Bit Rate | H.264: 32 kbps–6144 kbps<br>H.265: 12 kbps–6144 kbps |
| Day/Night | Auto(ICR)/Color/B/W |
| BLC | Yes |
| HLC | Yes |
| WDR | 120 dB |
| White Balance | Auto; natural; street lamp; outdoor; manual; regional custom |
| Gain Control | Manual;Auto |
| Noise Reduction | 3D NR |
| Motion Detection | OFF/ON (4 areas, rectangular) |
| Region of Interest (RoI) | Yes (4 areas) |
| Smart Illumination | Yes |
| Image Rotation | 0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower) |
| Mirror | Yes |
| Privacy Masking | 4 areas |

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| **Audio** | |
| Built-in MIC | Yes |
| Audio Compression | G.711a; G.711Mu; G.726; PCM |
| **Alarm** | |
| Alarm Event | No SD card; SD card full; SD card error; network disconnection;<br>IP conflict; illegal access; motion detection; video tampering;<br>tripwire; intrusion; audio detection; voltage detection; SMD; security exception; |
| **Network** | |
| Network Port | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| Network Protocol | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP |
| Interoperability | ONVIF (Profile S/Profile G); CGI; P2P |
| User/Host | 6 (Total bandwidth: 36 M) |
| Storage | FTP;SFTP; Micro SD card (support max. 256 GB) |
| Browser | IE; Chrome; Firefox |
| Management Software | DSS; DMSS |
| Mobile Client | iOS; Android |
| Cyber Security | Video encryption;Firmware encryption;Configuration encryption;Digest;WSSE;Account lockout;Security logs;IP/MAC filtering;Generation and importing of X.509 certification;syslog;HTTPS;802.1x;Trusted boot;Trusted execution;Trusted upgrade |
| **Certification** | |

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|---|---|
| Certifications | CE-LVD: EN62368-1;<br>CE-EMC: Electromagnetic Compatibility Directive<br>2014/30/EU;<br>FCC: 47 CFR FCC Part 15, Subpart B;<br>UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14 |
| **Power** | |
| Power Supply | 12 VDC/PoE |
| Power Consumption | Basic: 2.3 W (12 VDC); 2.9 W (PoE)<br>Max. (ICR + H.265 + WDR + max. Illumination + intelligence on): 5 W (12 VDC); 6 W (PoE) |
| **Environment** | |
| Operating Temperature | –40 °C to +60 °C (–40 °F to +140 °F) |
| Operating Humidity | ≤95% |
| Protection | IP67; IK10 |
| **Structure** | |
| Casing Material | Metal |
| Product Dimensions | 81.0 mm × Φ109.9 mm (3.19"× Φ4.33") |
| Net Weight | 0.34 kg (0.75 lb) |
| Gross Weight | 0.49 kg (1.08 lb) |

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