

# IPC-HDW4431EM-ASE-0280B

Dahua IPC-HDW4431EM-ASE-0280B 4 MP səsli IP kamera; Piksel 2688×1520; IR işıqlandırma - 50 m; F2.8 mm; Bucaq-104°;



|                       |                         |
|-----------------------|-------------------------|
| Model                 | IPC-HDW4431EM-ASE-0280B |
| Brend                 | Dahua                   |
| Növ                   | IP                      |
| Meqapixel             | 4 MP                    |
| Mikrofon              | Mic                     |
| İşıqlandırma məsafəsi | 50 m                    |
| Obyektiv              | Sabit                   |
| Fokus                 | 2.8                     |
| İşıqlandırma          | İR                      |
| Qoruma                | IP67                    |
| Material              | Metal                   |

## Specification

| Technical Specification              |   |
|--------------------------------------|---|
| White Balance                        | Auto/Natural/Street Lamp/Outdoor/Manual |
| Gain Control                         | Auto/Manual                             |
| Noise Reduction                      | 3D DNR                                  |
| Motion Detetion                      | Off /On (4 Zone, Rectangle)             |
| Region of Interest                   | Off /On (4 Zone)                        |
| Electronic Image Stabilization (EIS) | N/A                                     |
| Smart IR                             | Support                                 |
| Defog                                | N/A                                     |
| Digital Zoom                         | 16x                                     |
| Flip                                 | 0°/90°/180°/270°                        |
| Mirror                               | Off /On                                 |
| Privacy Masking                      | Off /On (4 Area, Rectangle)             |
| Audio                                |   |
| Compression                          | G.711a/ G.711Mu/ AAC/ G.726             |

|                            |   |
|----------------------------|---|
| <b>Network</b>             |   |
| <b>Ethernet</b>            | RJ-45 (10/100Base-T)  |
| <b>Protocol</b>            | HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS;<br>UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP |
| <b>Interoperability</b>    | ONVIF, PSIA, CGI  |
| <b>Streaming Method</b>    | Unicast /Multicast  |
| <b>Max. User Access</b>    | 10 Users / 20 Users   |
| <b>Edge Storage</b>        | NAS<br>Local PC for instant recording Mirco SD card 128GB   |
| <b>Web Viewer</b>          | IE, Chrome, Firefox, Safari   |
| <b>Management Software</b> | Smart PSS, DSS, Easy4ip   |
| <b>Smart Phone</b>         | IOS, Android  |
| <b>Certifications</b>      |   |
| <b>Certifications</b>      | CE (EN 60950:2000) UL:UL60950-1<br>FCC: FCC Part 15Subpart B  |
| <b>Interface</b>           |   |
| <b>Video Interface</b>     | N/A   |
| <b>Audio Interface</b>     | Built-in Mic  |
| <b>RS485</b>               | N/A   |
| <b>Alarm</b>               | N/A   |
| <b>Electrical</b>          |   |
| <b>Power Supply</b>        | DC12V, PoE(802.3af)(Class 0)  |
| <b>Power Consumption</b>   | <5.5W   |

## Camera

|                                 |  |
|---------------------------------|--|
| <b>Image Sensor</b>             | 1/3" 4Megapixel progressive scan CMOS  |
| <b>Effective Pixels</b>         | 2688(H)x1520(V)  |
| <b>RAM/ROM</b>                  | 512MB/32MB   |
| <b>Scanning System</b>          | Progressive  |
| <b>Electronic Shutter Speed</b> | Auto/Manual, 1/3(4)~1/10000s   |
| <b>Minimum Illumination</b>     | 0.06Lux/F1.6( Color,1/3s,30IRE)<br>0.4Lux/F1.6( Color,1/30s,30IRE)<br>0Lux/F1.6(IR on) |
| <b>S/N Ratio</b>                | More than 50dB   |
| <b>IR Distance</b>              | Distance up to 50m (164ft)   |
| <b>IR On/Off Control</b>        | Auto/ Manual   |
| <b>IR LEDs</b>                  | 1  |

## Lens

|                     |                            |
|---------------------|----------------------------|
| <b>Lens Type</b>    | Fixed                      |
| <b>Mount Type</b>   | Board-in                   |
| <b>Focal Length</b> | 2.8mm (3.6mm,6mm optional) |

|                            |             |                                     |                |                  |                 |
|----------------------------|-------------|-------------------------------------|----------------|------------------|-----------------|
| <b>Max. Aperture</b>       |             | F1.6 (F1.6, F1.6)                   |                |                  |                 |
| <b>Angle of View</b>       |             | H:104° (83°, 55°), V:58° (45°, 31°) |                |                  |                 |
| <b>Optical Zoom</b>        |             | N/A                                 |                |                  |                 |
| <b>Focus Control</b>       |             | Fixed                               |                |                  |                 |
| <b>Close FocusDistance</b> |             | 1.1m (1.5m, 3.1m)                   |                |                  |                 |
| <b>DORI Distance</b>       | <b>Lens</b> | <b>Detect</b>                       | <b>Observe</b> | <b>Recognize</b> | <b>Identify</b> |
|                            | 2.8 mm      | 56m(184ft)                          | 22m(72ft)      | 11m(36ft)        | 6m(20ft)        |
|                            | 3.6 mm      | 80m(262ft)                          | 32m(105ft)     | 16m(52ft)        | 8m(26ft)        |
|                            | 6.0 mm      | 120m(394ft)                         | 48m(157ft)     | 24m(79ft)        | 12m(39ft)       |

Pan/Tilt/Rotation

|                                |  |
|--------------------------------|--|
| <b>Pan/Tilt/Rotation Range</b> | Pan:0°~360°; Tilt:0°~78°; Rotation:0°~360° |
|--------------------------------|--|

Intelligence

|                                       |   |
|---------------------------------------|---|
| <b>IVS</b>                            | Tripwire, Intrusion, Object Abandoned/Missing |
| <b>Advanced Intelligent Functions</b> | Face Detection                                |

Video

|                             |  |
|-----------------------------|--|
| <b>Compression</b>          | H.265+/H.265/H.264+/H.264  |
| <b>Streaming Capability</b> | 3 Streams  |
| <b>Resolution</b>           | 4M(2688×1520)/3M(2304×1296)/<br>1080P(1920×1080)/1.3M(1280×960)/<br>720P(1280×720)/D1(704×576/704×480)/VGA(640×480)/CIF(352×288/352×240) |
| <b>Frame Rate</b>           | Main Stream: 4M(1~25/30fps)  |
|                             | Sub Stream: D1(1~25/30fps)   |
|                             | Third Stream:720P(1~25/10fps)  |
| <b>Bit Rate Control</b>     | CBR/VBR  |
| <b>Bit Rate</b>             | H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps   |
| <b>Day/Night</b>            | Auto(ICR) / Color / B/W  |
| <b>BLC Mode</b>             | BLC / HLC / WDR(120dB)   |

|                             |  |
|-----------------------------|--|
| <b>Environmental</b>        |  |
| <b>Operating Conditions</b> | -30° C ~ +60° C (-22° F ~ +140° F) / Less than95% RH |
| <b>Storage Conditions</b>   | -30° C ~ +60° C (-22° F ~ +140° F) / Less than95% RH |
| <b>Ingress Protection</b>   | IP67   |
| <b>Vandal Resistance</b>    | N/A  |
| <b>Construction</b>         |  |
| <b>Casing</b>               | Metal  |
| <b>Dimensions</b>           | Φ106mm×93.7mm (4.17"×3.69")                          |
| <b>Net Weight</b>           | 0.47Kg (1.04lb)                                      |
| <b>Gross Weight</b>         | 0.65Kg (1.43lb)                                      |