

Code: DH-IPC-HDBW4431EP-

# IP VANDALPROOF CAMERA **DH-IPC-HDBW4431EP-** - 4.0 Mpx, 2.8 mm DAHUA

Net: **202.73 EUR** Gross: **202.73 EUR**

IP camera with efficient H.264/H.265/MJPEG image compression algorithm for clear and smooth video streaming at maximal resolution of 3840 x 2160 (8.3 MPx).

PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install. The device is equipped with ePoE technology which enables transmission up to 800 m at a speed of 10 Mb/s or 300 m at a speed of 100 Mb/s via cat. 5e twisted-pair. Camera is according to IP67 Index of Protection norm.



## SPECIFICATION

|                           |                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                                                                         |
| Sensor:                   | 1/3 " Progressive Scan CMOS                                                                                                                                                    |
| Matrix size:              | 4.0 Mpx                                                                                                                                                                        |
| Scanning system:          | Progressive                                                                                                                                                                    |
| Resolution:               | 2688 x 1520 - 4.0 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p ,<br>1280 x 1024 - 1.4 Mpx ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p |
| Lens:                     | 2.8 mm                                                                                                                                                                         |
| View angle:               | <ul style="list-style-type: none"><li>• 104 ° (manufacturer data)</li><li>• 100 ° (our tests result)</li></ul>                                                                 |
| Range of IR illumination: | 30 m                                                                                                                                                                           |
| S/N ratio:                | > 50 dB                                                                                                                                                                        |
| RS-485 interface:         | —                                                                                                                                                                              |
| Memory card slot:         | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                           |
| Image compression method: | H.265 / H.264 / MJPEG                                                                                                                                                          |
| Alarm inputs / outputs:   | 1 / 1                                                                                                                                                                          |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio:                         | <ul style="list-style-type: none"> <li>• External microphone input</li> <li>• Audio output</li> <li>• Bi-directional audio streaming support</li> <li>• Audio detection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Bitrate:                       | 24 kb/s ... 10240 kb/s - H.264<br>14 kb/s ... 9984 kb/s - H.265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Main stream frame rate:        | 25 fps @ 4.0 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Network protocols:             | HTTP, HTTPS, IPv4/IPv6, TCP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, UPnP, NTP, QoS, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, SNMP                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ONVIF:                         | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Main features:                 | <ul style="list-style-type: none"> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• D-WDR - Wide Dynamic Range</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• ICR - Movable InfraRed filter</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Configurable Privacy Zones</li> <li>• Motion Detection</li> <li>• Mirror - Mirror image</li> <li>• IVS analysis : scene changing, crossing the line (tripwire), intrusion, abandoned/missing object, face detection</li> </ul> |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application <a href="#">DMSS</a> , Android: Free application <a href="#">IMOU</a><br>• iOS (iPhone): Free application <a href="#">DMSS</a> , iOS (iPhone): Free application <a href="#">IMOU</a>                                                                                                                                                                                                                                                                                                                                     |
| Default admin user / password: | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Web browser access ports:      | 80, 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PC client access ports:        | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mobile client access ports:    | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RTSP URL:                      | rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Power supply:                  | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• ePoE,</li> <li>• 12 V DC / 420 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Power consumption:             | ≤ 5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Housing:                       | Dome, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vandal-proof:                  | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operation temp:                | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight:                        | 0.36 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions:                    | Ø 110 x 81 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supported languages:           | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer / Brand:          | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



## PRESENTATION

Camera view after remove the Dome cover:



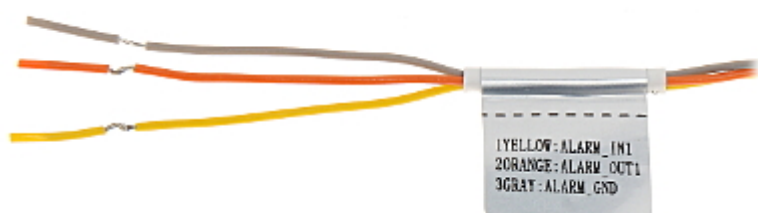
Micro SD card slot is located inside the camera:



Mounting side view:



Alarm inputs / outputs:



In the kit:



Example captures of device interface:



See the ability of operation in imou cloud:

:

## OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



## PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|



DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>  
POL; 60-713 Poznań; Graniczna 10  
e-mail: [delta-opti@delta.poznan.pl](mailto:delta-opti@delta.poznan.pl); tel: +(48) 61 864 69 60