

Code: DH-IPC-HDBW4231E

## IP VANDALPROOF CAMERA **DH-IPC-HDBW4231E** - 1080p, 3.6 mm DAHUA

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 1080p.

Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image. 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.



|                           |                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                          |
| Sensor:                   | 1/2.8 " STARVIS™ CMOS                                                                           |
| Matrix size:              | 2.1 Mpx                                                                                         |
| Scanning system:          | Progressive                                                                                     |
| Resolution:               | 1920 x 1080 - 1080p ,<br>1280 x 1024 - 1.4 Mpx ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p |
| Lens:                     | 3.6 mm                                                                                          |
| View angle:               | • 87 ° (manufacturer data)<br>• 83 ° (our tests result)                                         |
| 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                                                                                           |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:        | 50 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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><ul style="list-style-type: none"><li>• Android: Free application <a href="#">DMSS</a>, Android: Free application <a href="#">IMOU</a></li><li>• iOS (iPhone): Free application <a href="#">DMSS</a>, iOS (iPhone): Free application <a href="#">IMOU</a></li></ul>                                                                                                                                                                                                                                                                       |
| 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:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:haslo@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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



## DATA SHEET

|                       |                  |
|-----------------------|------------------|
| 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>   |