

Code: DH-IPC-HDBW5831EP-ZE

## IP VANDALPROOF CAMERA **DH-IPC-HDBW5831EP-ZE** - 8.3 Mpx 7 ... 35 mm - MOTOZOOM DAHUA

IP camera with efficient H.264/H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 3840 x 2160 (8.3 MPx). Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition. The used motozoom lens with 7 ... 35 mm focal length allows to remote view angle adjustment.

The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance).

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.



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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                                                                                                                                                                                       |
| Sensor:                   | 1/2.5 " Progressive Scan CMOS                                                                                                                                                                                                                                                                |
| Matrix size:              | 8.3 Mpx                                                                                                                                                                                                                                                                                      |
| Resolution:               | 3840 x 2160 - 8.3 Mpx ,<br>3072 x 2048 - 6.3 Mpx ,<br>3072 x 1728 - 5.3 Mpx ,<br>2592 x 1944 - 5.0 Mpx ,<br>2688 x 1520 - 4.0 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3.0 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:                     | 7 ... 35 mm - Motozoom                                                                                                                                                                                                                                                                       |
| View angle:               | • 38 ° ... 14 ° (manufacturer data)<br>• 35 ° ... 10.7 ° (our tests result)                                                                                                                                                                                                                  |
| Range of IR illumination: | 100 m                                                                                                                                                                                                                                                                                        |
| S/N ratio:                | > 50 dB                                                                                                                                                                                                                                                                                      |
| RS-485 interface:         | —                                                                                                                                                                                                                                                                                            |
| Memory card slot:         | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                         |



# DATA SHEET

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image compression method:     | H.265 / H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 ... 10240 kbps @ H.264<br>14 ... 9984 kbps @ H.265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network interface:            | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network protocols:            | HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, QoS, UPnP, NTP, Bonjour, 802.1x Radius, Multicast, ICMP, IGMP, SNMP                                                                                                                                                                                                                                                                                                                                                                                                                        |
| WEB Server:                   | Built-in, Web Viewer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Max. number of on-line users: | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ONVIF:                        | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Main stream frame rate:       | 15 fps @ 8.3 Mpx<br>20 fps @ 6.3 Mpx<br>25 fps @ 5.3 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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>                                                                                                                                                                                                                                                               |
| Main features:                | <ul style="list-style-type: none"><li>• Motozoom lens - Controlling from browser, NVR or software</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• D-WDR - Wide Dynamic Range</li><li>• ICR - Movable InfraRed filter</li><li>• BLC - configurable Back Light Compensation</li><li>• HLC - High Light Compensation (spot)</li><li>• IVS analysis : crossing the line (tripwire), scene changing, intrusion, abandoned/missing object, face detection</li><li>• Audio detection</li><li>• Day/Night mode (color/b&amp;w/auto)</li><li>• Configurable Privacy Zones</li></ul> |
| Power supply:                 | <ul style="list-style-type: none"><li>• ePoE,</li><li>• PoE (802.3af),</li><li>• 12 V DC / 1250 mA,</li><li>• 24 V AC / 630 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power consumption:            | ≤ 15 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Housing:                      | Dome - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Color:                        | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| "Index of Protection":        | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vandal-proof:                 | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Operation temp:               | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Weight:                       | 0.91 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dimensions:                   | Ø 159 x 118 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Supported languages:          | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Manufacturer / Brand:         | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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Guarantee:

**3 years**