

Code: IPC-HDBW8331E-ZEH

## IP VANDALPROOF CAMERA **IPC-HDBW8331E-ZEH** - 3.0 Mpx 2.7 ... 13.5 mm - MOTOZOOM DAHUA

IP camera with efficient H.264/H.265/MJPEG image compression algorithm for clear and smooth video streaming at maximal resolution of 2048 x 1536 (3.0 MPx). The used motozoom lens with 2.7 ... 12 mm focal length allows to remote view angle adjustment.

Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image. 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 802.3at 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. The camera is equipped with a built-in heater with a thermostat.



|                           |                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                            |
| Sensor:                   | 1/2.8 " STARVIS™ CMOS                                                                                                             |
| Matrix size:              | 3.1 Mpx                                                                                                                           |
| Resolution:               | 2048 x 1536 - 3.0 Mpx ,<br>1920 x 1080 - 1080p<br>1280 x 960 - 1.3 Mpx<br>1280 x 720 - 720p                                       |
| Lens:                     | 2.7 ... 13.5 mm - Motozoom                                                                                                        |
| View angle:               | <ul style="list-style-type: none"> <li>• 99 ° ... 28 ° (manufacturer data)</li> <li>• 90 ° ... 27 ° (our tests result)</li> </ul> |
| Range of IR illumination: | 50 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.265 / H.264+ / H.264 / MJPEG                                                                                           |
| Alarm inputs / outputs:   | 1 / 1                                                                                                                             |



# DATA SHEET

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| 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 kb/s - H.264<br>14 ... 9216 kbps - H.265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network protocols:             | HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, QoS, UPnP, NTP, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, SNMP, TLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WEB Server:                    | Built-in, Web Viewer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ONVIF:                         | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Main stream frame rate:        | 50 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mobile phones support:         | Port 37777<br><ul style="list-style-type: none"><li>• Android: Free application <a href="#">DMSS</a></li><li>• iOS (iPhone): Free application <a href="#">DMSS</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Default admin user / password: | admin / -<br>The administrator password should be set at the first start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Main features:                 | <ul style="list-style-type: none"><li>• Motozoom lens</li><li>• U-WDR - 140 dB - Wide Dynamic Range</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li><li>• ROI - improve the quality of selected parts of image</li><li>• EIS - Electronic Image Stabilization</li><li>• ICR - Movable InfraRed filter</li><li>• BLC - configurable Back Light Compensation</li><li>• HLC - High Light Compensation (spot)</li><li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li><li>• Motion Detection</li><li>• Configurable Privacy Zones</li><li>• Mirror - Mirror image</li><li>• Sharpness - sharper image outlines</li><li>• Heat map - the selection in the image by corresponding colors the areas with different traffic</li><li>• IVS analysis : crossing the line (tripwire), intrusion, abandoned/missing object, face detection, people counting</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• ePoE,</li><li>• PoE (802.3at),</li><li>• 12 V DC / 2 A - Heater on,</li><li>• 24 V AC / 1 A - Heater on</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



## DATA SHEET

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|------------------------|------------------------------------------------------------------------------------------|
| Power consumption:     | max. 24 W - Heater on                                                                    |
| Housing:               | Dome - Metal                                                                             |
| Color:                 | White                                                                                    |
| Vandal-proof:          | IK10                                                                                     |
| "Index of Protection": | IP67                                                                                     |
| Operation temp:        | -40 °C ... 60 °C                                                                         |
| Weight:                | 0.95 kg                                                                                  |
| Dimensions:            | Ø 159 x 118 mm                                                                           |
| Supported languages:   | Polish, English, Bulgarian, Czech, Danish, Finnish, Greek, Norwegian, Swedish, Hungarian |
| Manufacturer / Brand:  | DAHUA                                                                                    |
| Guarantee:             | <b>3 years</b>                                                                           |