

Code: IPC-HDBW2231E-S-0360B-S2

## IP VANDALPROOF CAMERA **IPC-HDBW2231E-S-0360B-S2** - 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.

PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.



|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                               |
| Sensor:                   | 1/2.8 " Progressive Scan CMOS                                        |
| Matrix size:              | 2.1 Mpx                                                              |
| Scanning system:          | Progressive                                                          |
| Resolution:               | 1920 x 1080 - 1080p<br>1280 x 960 - 1.3 Mpx<br>1280 x 720 - 720p     |
| Lens:                     | 3.6 mm                                                               |
| View angle:               | • 87 ° (manufacturer data)<br>• 82 ° (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 256GB support (possible local recording) |
| Image compression method: | H.265+ / H.265 / H.264+ / H.264 / MJPEG                              |
| Alarm inputs / outputs:   | —                                                                    |
| Audio:                    | —                                                                    |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bitrate:                       | 32 ... 6144 kbps - H.264<br>12 ... 6144 kbps - H.265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Main stream frame rate:        | 25 fps @ 1920 x 1080                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network protocols:             | HTTP, HTTPS, IPv4/IPv6, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, IEEE 802.1x, Bonjour                                                                                                                                                                                                                                                                                                                                                                                                      |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ONVIF:                         | 18.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Main features:                 | <ul style="list-style-type: none"><li>• WDR - 120 dB - Wide Dynamic Range</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• ROI - improve the quality of selected parts of image</li><li>• ICR - Movable InfraRed filter</li><li>• BLC - Back Light Compensation</li><li>• HLC - High Light Compensation (spot)</li><li>• AGC - Automatic Gain Control</li><li>• Mirror - Mirror image</li><li>• Motion Detection - max. 4 zones</li><li>• Privacy zones - max. 4</li><li>• Auto White Balance</li><li>• IVS analysis : crossing the line (tripwire), intrusion</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC / 450 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power consumption:             | < 5.4 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P) <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                                                                                                                                                                                                                                                                                                                                                                                              |
| Housing:                       | Dome - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vandal-proof:                  | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operation temp:                | -40 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



## DATA SHEET

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Weight:               | 0.35 kg                                                                              |
| Dimensions:           | Ø 110 x 81 mm                                                                        |
| Supported languages:  | Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Italian |
| Manufacturer / Brand: | DAHUA                                                                                |
| Guarantee:            | <b>3 years</b>                                                                       |