

# IP VANDALPROOF CAMERA **IPC-HFW4231T-ASE-0360B** - 1080p 3.6 mm

## DAHUA

Net: **5 021.02 CZK** Gross: **5 021.02 CZK**

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 1080p. Included camera software enables management and integrated monitoring of many network cameras.

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.

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

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



### SPECIFICATION

|                           |                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                                                                             |
| Sensor:                   | 1/2.8 " Progressive Scan CMOS                                                                                                                                                      |
| Matrix size:              | 2.1 Mpx                                                                                                                                                                            |
| Resolution:               | 1920 x 1080 - 1080p ,<br>1280 x 1024 - 1.4 Mpx ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p                                                                                    |
| Scanning system:          | Progressive                                                                                                                                                                        |
| Lens:                     | 3.6 mm                                                                                                                                                                             |
| View angle:               | <ul style="list-style-type: none"> <li>• 87 ° (manufacturer data)</li> <li>• 85 ° (our tests result)</li> </ul>                                                                    |
| Range of IR illumination: | 60 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                                                                                                                                                                              |
| 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, TCP, IPv4/IPv6, ARP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, QoS, UPnP, NTP, 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>• 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/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones</li> <li>• Mirror - Mirror image</li> <li>• IVS analysis : crossing the line (tripwire), scene changing, intrusion, abandoned/missing object, face detection</li> </ul> |
| Power supply:                  | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• ePoE,</li> <li>• 12 V DC / 920 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Power consumption:             | ≤ 11 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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></li> <li>• iOS (iPhone): Free application <a href="#">DMSS</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                           |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Default admin user / password: | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Housing:                       | Compact - Metal / Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color:                         | White / Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Vandal-proof:                  | IK10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operation temp:                | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight:                        | 0.87 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions:                    | 244 x 79 x 76 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Supported languages:           | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer / Brand:          | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## PRESENTATION



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Side view:



Memory card slot:



Camera mounting side view:



Camera connectors:



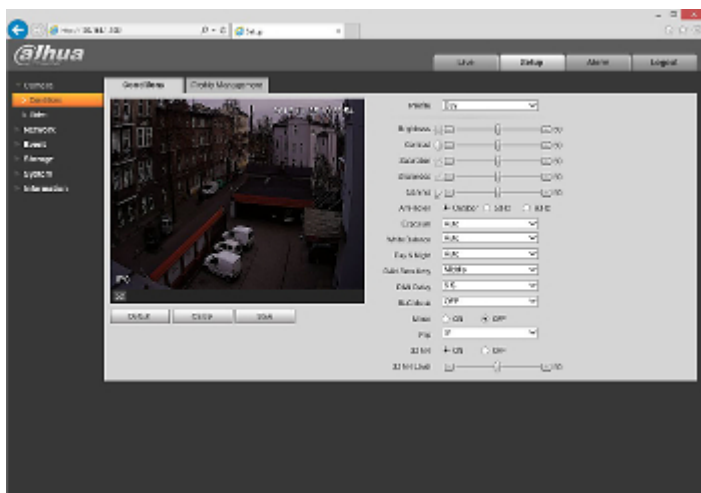
Connectors description:



In the kit:



Example captures of device interface:



## 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:



## OUR OPINIONS



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

## PACKAGE

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