

Code: DH-IPC-HFW2231TP-ZS-

# IP CAMERA **DH-IPC-HFW2231TP-ZS-** - 1080p 2.7 ... 13.5 mm - MOTOZOOM DAHUA

Net: **911.00 PLN** Gross: **911.00 PLN**

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 1920 x 1080 (1080p). Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition.

The used motozoom lens with 2.7 ... 13.5 mm focal length allows to remote view angle adjustment. PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.

Camera is according to IP67 Index of Protection norm.



## SPECIFICATION

|                           |                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                                                      |
| Sensor:                   | 1/2.8 " STARVIS™ 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                                                                   |
| Lens:                     | 2.7 ... 13.5 mm - Motozoom                                                                                                                                  |
| View angle:               | • 106 ° ... 29 ° (manufacturer data)<br>• 107 ° ... 28 ° (our tests result)                                                                                 |
| Compression:              | H.265 / H.264 / MJPEG                                                                                                                                       |
| S/N ratio:                | > 50 dB                                                                                                                                                     |
| Range of IR illumination: | 60 m                                                                                                                                                        |
| Alarm inputs / outputs:   | —                                                                                                                                                           |
| Bitrate:                  | • 12 ... 6400 kbps - H.265<br>• 32 ... 10240 kbps - H.264                                                                                                   |
| Main stream frame rate:   | 25 fps - 1080p                                                                                                                                              |
| 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, SNMP, QoS, UPnP, NTP, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, TLS |
| Audio:                    | —                                                                                                                                                           |
| WEB Server:               | Built-in, NVR compliance                                                                                                                                    |

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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Memory card slot:              | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ONVIF:                         | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application <a href="#">DMSS</a> , Android: Free application <a href="#">IMOU</a><br>• iOS (iPhone): Free application <a href="#">DMSS</a> , iOS (iPhone): Free application <a href="#">IMOU</a>                                                                                                                                                                                                                                                                                                                    |
| 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: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                                                                                                                                                                                                                                                                                                                                                                                                   |
| RS-485 interface:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Main features:                 | <ul style="list-style-type: none"> <li>• Motozoom lens</li> <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>• BLC - Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• ICR - Movable InfraRed filter</li> <li>• AGC - Automatic Gain Control</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 (802.3at),</li> <li>• 12 V DC / 1170 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Power consumption:             | < 14 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Housing:                       | Compact, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Operation temp:                | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Supported languages:           | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight:                        | 0.85 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dimensions:                    | 244 x 79 x 76 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer / Brand:          | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## PRESENTATION

Front view:



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Bottom view (after remove the cover):



Side view:



Mounting side view:



In the kit:



See the ability of operation in imou cloud:  
:

## OUR TESTS

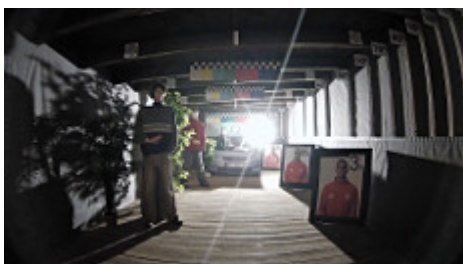
Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



## PACKAGE

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

