

Code: DH-IPC-HF5231EP-E

## IP CAMERA **DH-IPC-HF5231EP-E** - 1080p DAHUA

Net: **309.22 EUR** Gross: **309.22 EUR**

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.

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.



### 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                                                              |
| Video output:             | 1 Vpp / 75 Ω                                                                                                                                           |
| Lens:                     | —                                                                                                                                                      |
| Auto Iris socket:         | DC                                                                                                                                                     |
| Min. illumination:        | • 0.004 Lux (color) / F1.2<br>• 0.002 Lux (B/W) / F1.2                                                                                                 |
| S/N ratio:                | > 50 dB                                                                                                                                                |
| Image compression method: | H.265 / H.264 / MJPEG                                                                                                                                  |
| Alarm inputs / outputs:   | 2 / 1                                                                                                                                                  |
| RS-485 interface:         | ✓                                                                                                                                                      |
| Protocols:                | Pelco-D, Pelco-P and others                                                                                                                            |
| Bitrate:                  | 24 kbps ... 9472 kbps - H.264<br>14 kbps ... 5632 kbps - H.265                                                                                         |
| Main stream frame rate:   | 50 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, QoS, UPnP, NTP, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, SNMP |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Audio:                        | <ul style="list-style-type: none"> <li>• Microphone built-in</li> <li>• External microphone input</li> <li>• Audio output</li> <li>• Bi-directional audio streaming support</li> <li>• Audio detection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WEB Server:                   | Built-in, NVR compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Max. number of on-line users: | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ONVIF:                        | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Memory card slot:             | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Main features:                | <ul style="list-style-type: none"> <li>• ICR - Movable InfraRed filter</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• AGC - Automatic Gain Control</li> <li>• ABF - (Auto Back Focus) - auto focus correction during day/night operation modes switching</li> <li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• BLC - configurable Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• Motion Detection</li> <li>• IVS analysis : crossing the line (tripwire), intrusion, scene changing, abandoned/missing object, face detection</li> <li>• Audio detection</li> <li>• Configurable Privacy Zones</li> <li>• Mirror - Mirror image</li> <li>• Sharpness - sharper image outlines</li> </ul> |
| Power supply:                 | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• ePoE,</li> <li>• 12 V DC,</li> <li>• 24 V AC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power consumption:            | < 8 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Housing:                      | BOX, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Color:                        | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operation temp:               | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supported languages:          | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight:                       | 0.534 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions:                   | 136 x 74 x 65 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer / Brand:         | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Guarantee:                    | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## PRESENTATION

Front view:



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Side view:



Bottom view:



Rear view:



In the kit:



## OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at direct strong light opposite to camera:



Camera image at night conditions with external IR illuminator on:



Camera image at night conditions, at different illumination values show below:

10 LUX:



1 LUX:



0.1 LUX:



0.01 LUX:



0.001 LUX:



## PACKAGE

Dimensions (L x W x H): 0x0x0 mm

Gross Weight: 0 kg