

Code: DH-IPC-HF8231FP

## IP CAMERA **DH-IPC-HF8231FP** - 1080p DAHUA

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). Very easy operation by Internet Explorer browser allows the users to convenient and remote support, and also remote management of the camera. Included camera software enables management and integrated monitoring of many network cameras. IVS analysis - crossing the line (tripwire), intrusion, scene changing, abandoned/missing object, face detection, people counting. 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                                                              |
| Resolution:               | 1920 x 1080 - 1080p ,<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:        | • 0.002 Lux (color) / F1.2<br>• 0.0002 Lux (B/W) / F1.2              |
| S/N ratio:                | > 50 dB                                                              |
| Image compression method: | H.265 / H.264                                                        |
| Alarm inputs / outputs:   | 2 / 2                                                                |
| RS-485 interface:         | ✓                                                                    |
| Protocols:                | Pelco-D, Pelco-P and others                                          |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Bitrate:                       | 24 kbps ... 10240 kbps - H.264<br>14 kbps ... 6144 kbps - H.265                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Main stream frame rate:        | 50 fps - 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network protocols:             | IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Audio:                         | <ul style="list-style-type: none"><li>• Microphone built-in</li><li>• 2 x Audio input</li><li>• 1 x 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:                         | 2.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Memory card slot:              | Micro SD memory cards up to 64GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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 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: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>• ICR - Movable InfraRed filter</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• WDR - 140 dB - Wide Dynamic Range</li><li>• AGC - Automatic Gain Control</li><li>• ABF - (Auto Back Focus) - auto focus correction during day/night operation modes switching</li><li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</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, abandoned/missing object, face detection, people counting, heat map</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>• 12 V DC / 460 mA,</li><li>• 24 V AC / 230 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



# DATA SHEET

|                       |                  |
|-----------------------|------------------|
| Power consumption:    | < 5.5 W          |
| Housing:              | BOX, Metal       |
| Color:                | White / Black    |
| Operation temp:       | -30 °C ... 60 °C |
| Weight:               | 0.775 kg         |
| Dimensions:           | 162 x 86 x 74 mm |
| Manufacturer / Brand: | DAHUA            |
| Supported languages:  | English, Polish  |
| Guarantee:            | <b>3 years</b>   |

