

Code: IPC-HFW2249S-S-IL-0280B

## IP CAMERA **IPC-HFW2249S-S-IL-0280B** WizSense - 1080p 2.8 mm 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).

The device is equipped with Smart Dual Illumination technology, thanks to which the user has a choice of white light mode and IR (infrared) mode. When Smart Dual Illumination is active, the white light will turn on automatically only when an object is detected in the monitored area, which effectively improves the image quality.

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                                              |
| Scanning system:                   | Progressive                                                                                                       |
| Lens:                              | 2.8 mm                                                                                                            |
| View angle:                        | <ul style="list-style-type: none"> <li>• 107 ° (manufacturer data)</li> <li>• 101 ° (our tests result)</li> </ul> |
| Range of IR illumination:          | 30 m                                                                                                              |
| White light LED illuminator range: | 30 m                                                                                                              |
| Min. illumination:                 | 0.002 Lux / F1.0 (color)                                                                                          |
| S/N ratio:                         | > 56 dB                                                                                                           |
| RS-485 interface:                  | —                                                                                                                 |
| Memory card slot:                  | Micro SD memory cards up to 256GB support (possible local recording)                                              |



# DATA SHEET

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| Image compression method:      | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alarm inputs / outputs:        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio:                         | <ul style="list-style-type: none"><li>• Microphone built-in</li><li>• Audio detection</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Main stream frame rate:        | 25 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network protocols:             | IPv4/IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. number of on-line users:  | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ONVIF:                         | 21.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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>• 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>• SMD PLUS - searching for an object classified as: human, motor vehicle</li><li>• IVS analysis : intrusion, crossing the line (tripwire) - classification of people and vehicles video tampering</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC / 330 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Power consumption:             | <ul style="list-style-type: none"><li>• ≤ 3.9 W @ 12 V DC</li><li>• ≤ 4.4 W @ PoE</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Housing:                       | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Vandal-proof:                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



## DATA SHEET

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Operation temp:       | -40 °C ... 60 °C                                                                                                              |
| Weight:               | 0.47 kg                                                                                                                       |
| Dimensions:           | 162 x 70 x 70 mm                                                                                                              |
| Supported languages:  | Polish, English, Czech, French, Spanish, Dutch, German, Russian, Portuguese, Romanian, Turkish, Ukrainian, Hungarian, Italian |
| Manufacturer / Brand: | DAHUA                                                                                                                         |
| Guarantee:            | <b>3 years</b>                                                                                                                |