

Code: IPC-HFW2831S-S-0280B-S2

## IP CAMERA **IPC-HFW2831S-S-0280B-S2** - 8.3 Mpx 4K UHD 2.8 mm DAHUA

IP camera with efficient H.265 / H.264 image compression algorithm for clear and smooth video streaming at maximal resolution of 8 MPx.

PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install. The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance).

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



|                           |                                                                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                                                                                                                                                       |
| Sensor:                   | 1/2.7 " Progressive Scan CMOS                                                                                                                                                                                                                                |
| Matrix size:              | 8.3 Mpx                                                                                                                                                                                                                                                      |
| Resolution:               | 3840 x 2160 - 8.3 Mpx 4K UHD ,<br>3072 x 2048 - 6 Mpx ,<br>3072 x 1728 - 5 Mpx ,<br>2592 x 1944 - 5 Mpx ,<br>2688 x 1520 - 4 Mpx ,<br>2048 x 1536 - 3 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p |
| Lens:                     | 2.8 mm                                                                                                                                                                                                                                                       |
| View angle:               | <ul style="list-style-type: none"> <li>• 105 ° (manufacturer data)</li> <li>• 101 ° (our tests result)</li> </ul>                                                                                                                                            |
| Range of IR illumination: | 30 m                                                                                                                                                                                                                                                         |
| RS-485 interface:         | —                                                                                                                                                                                                                                                            |
| Memory card slot:         | Micro SD memory cards up to 256GB support (possible local recording)                                                                                                                                                                                         |
| Image compression method: | H.265+ / H.265 / H.264 / H.264+ / MJPEG                                                                                                                                                                                                                      |
| Alarm inputs / outputs:   | —                                                                                                                                                                                                                                                            |
| Audio:                    | —                                                                                                                                                                                                                                                            |



# DATA SHEET

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| Main stream frame rate:        | 15 fps @ 8.3 Mpx<br>25 fps @ 4 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, Bonjour                                                                                                                                                                                                                                                                                                                                                                  |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ONVIF:                         | 19.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application <a href="#">DMSS</a><br>• iOS (iPhone): Free application <a href="#">DMSS</a>                                                                                                                                                                                                                                                                                                                                                              |
| 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>• Privacy zones</li><li>• Configurable Privacy Zones</li><li>• Mirror - Mirror image</li><li>• IVS analysis : intrusion, crossing the line (tripwire)</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC / 460 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power consumption:             | < 5.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Housing:                       | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operation temp:                | -40 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight:                        | 0.47 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions:                    | Ø 70 x 166 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Supported languages:           | Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Italian                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Manufacturer / Brand:          | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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Guarantee:

**3 years**