

Code: IPC-HDW2831TM-AS-0280B-S2

## IP CAMERA **IPC-HDW2831TM-AS-0280B-S2** - 8.3 Mpx 4K UHD 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 8.3 MPx, 4K UHD.

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.



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| Standard:                 | TCP/IP                                                                                                                                                                                                                                                       |
| Sensor:                   | 1/2.7 " Progressive Scan CMOS                                                                                                                                                                                                                                |
| Scanning system:          | Progressive                                                                                                                                                                                                                                                  |
| 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>• 100 ° (our tests result)</li> </ul>                                                                                                                                            |
| Range of IR illumination: | 30 m                                                                                                                                                                                                                                                         |
| 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:        | <ul style="list-style-type: none"><li>• 15 fps @ 8.3 Mpx</li><li>• 25 fps @ 4 Mpx</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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>• Audio detection</li><li>• IVS analysis : intrusion, crossing the line (tripwire)</li></ul> |
| 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                                                                                                                                                                                                                                                                                                                                        |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC / 600 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power consumption:             | < 7.2 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Housing:                       | Dome - Metal + Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operation temp:                | -40 °C ... 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



## DATA SHEET

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| Weight:               | 0.48 kg                                                                              |
| Dimensions:           | Ø 122 x 99 mm                                                                        |
| Supported languages:  | Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Italian |
| Manufacturer / Brand: | DAHUA                                                                                |
| Guarantee:            | <b>3 years</b>                                                                       |