# DATA SHEET

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: | • 105 ° (manufacturer data)<br>• 100 ° (our tests result) |
| Range of IR illumination: | 30 m |
| Memory card slot: | Micro SD memory cards up to 256GB support (possible local recording) |

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| Image compression method: | H.265+ / H.265 / H.264+ / H.264 / MJPEG |
| Alarm inputs / outputs: | – |
| Audio: | • Microphone built-in<br>• Audio detection |
| 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 |
| Main features: | • WDR - 120 dB - Wide Dynamic Range<br>• 3D-DNR - Digital Noise Reduction<br>• ROI - improve the quality of selected parts of image<br>• BLC/HLC - Back Light / High Light Compensation<br>• Possibility to change the resolution, quality and bit rate<br>• Motion Detection<br>• Configurable Privacy Zones<br>• Mirror - Mirror image<br>• Audio detection<br>• IVS analysis : intrusion, crossing the line (tripwire) |
| Mobile phones support: | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application DMSS<br>• iOS (iPhone): Free application DMSS |
| 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:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream |
| Power supply: | • PoE (802.3af),<br>• 12 V DC / 600 mA |
| Power consumption: | < 7.2 W |
| Housing: | Dome - Metal + Plastic |
| Color: | White |
| "Index of Protection": | IP67 |
| Operation temp: | -40 °C ... 55 °C |

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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: | **3 years** |

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