

Code: IPC-HFW3849T1-AS-PV-0360B

## IP CAMERA **IPC-HFW3849T1-AS-PV-0360B** TiOC Full-Color - 8.3 Mpx 4K UHD 3.6 mm DAHUA

The **DAHUA TiOC** series of cameras are modern IP cameras combining 3 innovative technologies: **Dahua Full-Color** - 24/7 color image, **Wiz-Sense** - AI artificial intelligence functions and audio-visual **active deterrence** (flashing red and blue lights and a siren sound).

PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.



|                                    |                                                                                                                                                                                                                                                          |
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| Standard:                          | TCP/IP                                                                                                                                                                                                                                                   |
| Sensor:                            | 1/2.8 " 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 |
| Scanning system:                   | Progressive                                                                                                                                                                                                                                              |
| Lens:                              | 3.6 mm                                                                                                                                                                                                                                                   |
| View angle:                        | <ul style="list-style-type: none"> <li>• 89 ° (manufacturer data)</li> <li>• 81 ° (our tests result)</li> </ul>                                                                                                                                          |
| White light LED illuminator range: | ≤ 30 m                                                                                                                                                                                                                                                   |



# DATA SHEET

|                                |                                                                                                                                                                                                                                          |
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| Min. illumination:             | 0.007 Lux @ F1.4 (color)                                                                                                                                                                                                                 |
| S/N ratio:                     | > 56 dB                                                                                                                                                                                                                                  |
| 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:        | 1 / 1                                                                                                                                                                                                                                    |
| Audio:                         | <ul style="list-style-type: none"><li>• Microphone built-in,</li><li>• External microphone input,</li><li>• Audio output</li><li>• Speaker built-in</li><li>• Bi-directional audio streaming support</li><li>• Audio detection</li></ul> |
| Main stream frame rate:        | 20 fps @ 8.3 Mpx (25 fps with Ai functions off)<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, SAMBA, PPPoE, SNMP                                                                                  |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                 |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                       |
| ONVIF:                         | 20.06                                                                                                                                                                                                                                    |
| 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                                                          |

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| 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>• NAS - Network Attached Storage support</li> <li>• SSA - Smart Scene Adaptive - intelligent scene adaptation by automatically adjusting the exposure parameters to obtain a better image</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Full Color - colorful night mode</li> <li>• Auto White Balance</li> <li>• AGC - Automatic Gain Control</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones</li> <li>• Mirror - Mirror image</li> <li>• Light and sound alarm</li> <li>• Active deterrence function</li> <li>• White light (LED) illuminator built-in : 2 LEDs</li> <li>• SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle</li> <li>• IVS analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, scene changing, Audio detection</li> </ul> |
| Power supply:          | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 630 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power consumption:     | max. 9.7 W @ PoE<br>max. 8.2 W @ 12 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Housing:               | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Color:                 | White + Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| "Index of Protection": | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Vandal-proof:          | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation temp:        | -40 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Weight:                | 1 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions:            | 289 x 95 x 85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supported languages:   | Polish, English, Czech, French, Spanish, Dutch, German, Russian, Portuguese, Romanian, Ukrainian, Hungarian, Italian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer / Brand:  | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |