

Code: TPC-BF5401-TB7

## IP THERMAL IMAGING CAMERA **TPC-BF5401-TB7** - 1.4 Mpx, 7.5 mm DAHUA

The TPC-BF5401-TB7 Thermal Imaging Camera is a modern solution that allows to detect the presence of people, animals and vehicles regardless of prevailing vision conditions. The device is equipped with sensitive VOx microbolometer that allows to observe the objects in fog, smoke and in the absence of illumination. An additional advantage of the TPC series cameras is the ability to detect fire and send a signal to the alarm control panel when it occurs.

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, CVBS                                                                                               |
| Sensor:                        | Uncooled VOx microbolometer                                                                                |
| Matrix size:                   | 400 x 300 px                                                                                               |
| Pixel pitch:                   | 17 µm                                                                                                      |
| Thermal sensitivity (NETD):    | ≤ 40 mK @ F1.0                                                                                             |
| Spectral range:                | 8 µm ... 14 µm                                                                                             |
| Resolution:                    | 1280 x 1024 - 1.4 Mpx ,<br>1280 x 960 - 960p ,<br>1280 x 720 - 720p ,<br>400 x 300                         |
| Lens:                          | 7.5 mm                                                                                                     |
| View angle:                    | 54 °                                                                                                       |
| Video output:                  | CVBS, PAL - 1 Vpp / 75 Ω, BNC                                                                              |
| RS-485 interface:              | ✓                                                                                                          |
| Memory card slot:              | Micro SD memory cards up to 256GB support (possible local recording)                                       |
| Image compression method:      | H.265 / H.264M / H.264H / H.264B / MJPEG                                                                   |
| Alarm inputs / outputs:        | 2 / 2                                                                                                      |
| Audio:                         | <ul style="list-style-type: none"> <li>• Audio input</li> <li>• Audio output</li> </ul>                    |
| Temperature measurement:       | <ul style="list-style-type: none"> <li>• Spot</li> <li>• Line</li> <li>• Area</li> </ul> max. 12 positions |
| Temperature measurement range: | <ul style="list-style-type: none"> <li>• -20 °C ... 150 °C,</li> <li>• 0 °C ... +550 °C</li> </ul>         |



# DATA SHEET

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| Main stream frame rate:        | 25 fps @ 1280 x 1024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network protocols:             | HTTP, HTTPS, TCP/IP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE IPv4/IPv6, SNMP, QoS, UPnP, NTP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ONVIF:                         | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mobile phones support:         | Port 37777<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>• DDE (Digital Detail Enhancement) - for high dynamic images, it automatically adjusts the contrast of the image to the temperature parameters. The DDE function is the ideal tool for quick and accurate testing of electrical installations. Thanks to it the image is much more detailed and sharpened</li><li>• 2D-DNR, 3D-DNR - Digital Noise Reduction</li><li>• ROI - improve the quality of selected parts of image</li><li>• AGC - Automatic Gain Control</li><li>• EIS - Electronic Image Stabilization</li><li>• Mirror - Mirror image</li><li>• D-ZOOM - Digital Zoom : 19 x</li><li>• IVS analysis : crossing the line (tripwire), intrusion, object detection (people, vehicle), fire detection</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• 12 V DC / 1.2 A,</li><li>• PoE (802.3af),</li><li>• ePoE</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Power consumption:             | max. 13 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Housing:                       | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operation temp:                | -40 °C ... 70 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| "Index of Protection":         | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight:                        | 1.4 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dimensions:                    | 291 x 104 x 97 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supported languages:           | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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| Manufacturer / Brand: | DAHUA          |
| Guarantee:            | <b>3 years</b> |