

Code: DS-2TD2617-6/PA

# IP HYBRID THERMAL IMAGING CAMERA **DS-2TD2617-6/PA** 6.2 mm - 720p, 8 mm - 4 Mpx Hikvision

Net: **735.67 EUR** Gross: **735.67 EUR**

The DS-2TD2617-6/PA 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 DS-2TDxxxx series cameras is the ability to detect fire and send a signal to the alarm control panel when it occurs.



## SPECIFICATION

|                                      |                                                                                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------|
| Sensor:                              | Uncooled VOx microbolometer                                                                     |
| Matrix size:                         | 160 x 120 px                                                                                    |
| Pixel pitch:                         | 17 $\mu$ m                                                                                      |
| Thermal sensitivity (NETD):          | $\leq 40$ mK @ F1.1                                                                             |
| Spectral range:                      | 8 $\mu$ m ... 14 $\mu$ m                                                                        |
| Color palettes:                      | 15                                                                                              |
| Lens:                                | 6.2 mm                                                                                          |
| View angle:                          | 25 °                                                                                            |
| Resolution:                          | 1280 x 720 - 720p ,<br>704 x 576 - D1 ,<br>640 x 480 ,<br>352 x 288 - CIF ,<br>320 x 240 - QVGA |
| Temperature measurement range:       | -20 °C ... 150 °C                                                                               |
| Accuracy of temperature measurement: | $\pm 8$ °C                                                                                      |

### VIDEO CAMERA:

|                    |                                                      |
|--------------------|------------------------------------------------------|
| Sensor:            | 1/2.7 " Progressive Scan Exmor CMOS                  |
| Matrix size:       | 4 Mpx                                                |
| Scanning system:   | Progressive                                          |
| Lens:              | 8 mm                                                 |
| View angle:        | 39 °                                                 |
| Optical zoom:      | —                                                    |
| Min. illumination: | 0.0089 Lux (color) @ F1.6<br>0.0018 Lux (B/W) @ F1.6 |

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|---------------------------|-------------------------------------------------------------------|
| Range of IR illumination: | 40 m                                                              |
| Resolution:               | 2688 x 1520 - 4 Mpx ,<br>1920 x 1080 - 1080p<br>1280 x 720 - 720p |

General information:

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                      | TCP/IP                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Video output:                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RS-485 interface:              | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Memory card slot:              | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                  |
| Image compression method:      | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alarm inputs / outputs:        | 2 / 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Audio:                         | <ul style="list-style-type: none"> <li>• External microphone input</li> <li>• Audio output</li> </ul>                                                                                                                                                                                                                                                                                                                                                 |
| Main stream frame rate:        | 25 fps @ 4 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network protocols:             | IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE                                                                                                                                                                                                                                                                                                                   |
| WEB Server:                    | Built-in, NVR compliance                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ONVIF:                         | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mobile phones support:         | port 8000<br>• iVMS-4200 application or <a href="#">Hik-Connect</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| Default IP address:            | 192.168.1.64                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Default admin user / password: | admin / -<br>The administrator password should be set at the first start                                                                                                                                                                                                                                                                                                                                                                              |
| Web browser access ports:      | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PC client access ports:        | Port no.: 8000 or access by a cloud (P2P)                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mobile client access ports:    | 8000                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RTSP URL:                      | <ul style="list-style-type: none"> <li>• Main stream<br/>VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/<br/>THERMAL IMAGING CAMERA :<br/>rtsp://user:password@192.168.1.64:554/Streaming/Channels/201/</li> <li>• Sub stream<br/>VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/<br/>THERMAL IMAGING CAMERA :<br/>rtsp://user:password@192.168.1.64:554/Streaming/Channels/202/</li> </ul> |



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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main features:         | <ul style="list-style-type: none"> <li>• The possibility of overlapping the image from a thermal imaging camera in a classic image</li> <li>• Temperature measurement</li> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• PIP - Picture In Picture</li> <li>• AGC - Automatic Gain Control</li> <li>• DDE - Digital Detail Enhancement</li> <li>• ICR - Movable InfraRed filter</li> <li>• Motion Detection</li> <li>• AGC - Automatic Gain Control</li> <li>• Sharpness - sharper image outlines</li> <li>• Mirror - Mirror image</li> <li>• Audio detection</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• D-ZOOM - Digital Zoom</li> <li>• DDE (Digital Detail Enhancement) - the function automatically optimizes the contrast of the thermal image in high-dynamic scenes - small differences in the temperature distribution of the examined object are highlighted</li> <li>• Intelligent Image Analysis - Only for thermal imaging camera : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area, classification of people and vehicles, dynamic detection of fire source</li> <li>• Alarm signaling : Built-in alarm siren + LED indication</li> </ul> |
| Power supply:          | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 650 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Power consumption:     | $\leq 7.5 \text{ W @ } 12 \text{ V DC}$<br>$\leq 8 \text{ W @ PoE}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Housing:               | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Color:                 | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| "Index of Protection": | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operation temp:        | -40 °C ... 65 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight:                | 1.77 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dimensions:            | 358 x 114 x 115 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Supported languages:   | Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer / Brand:  | Hikvision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SAP Code:              | 305400845                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## PRESENTATION



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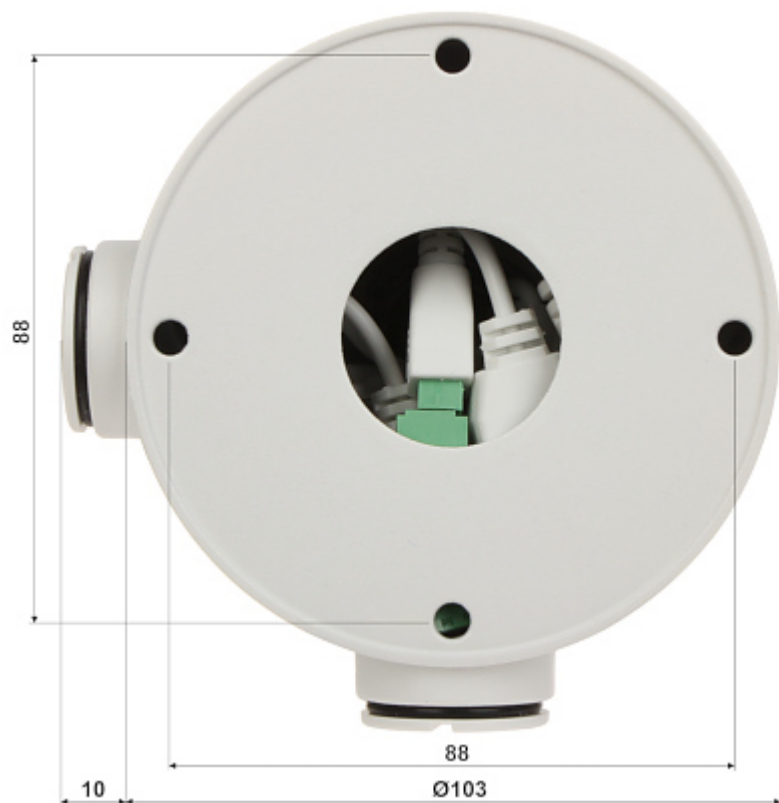
Side view:



Bottom view:



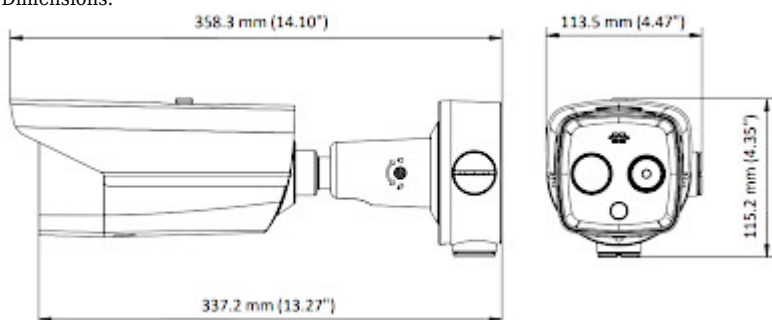
Mounting side view:



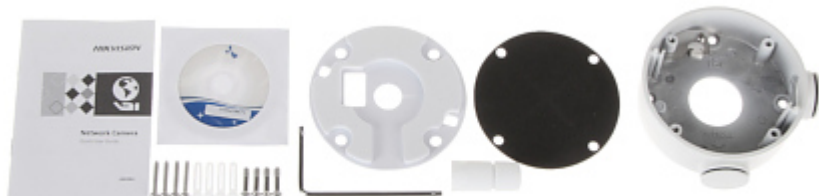
Camera connectors:



Dimensions:



In the kit:



## OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



Image comparison of the video camera and the thermal imaging camera in sample color pallets:



## PACKAGE

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|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|

