

Code: DS-2TD2615-7

# IP HYBRID THERMAL IMAGING CAMERA **DS-2TD2615-7** 7 mm 6 mm - 1080p Hikvision

Net: 2 049.85 EUR Gross: 2 049.85 EUR

The DS-2TD2615-7 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 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:                | 25 µm                       |
| Thermal sensitivity (NETD): | < 50 mK @ F1.0              |
| Spectral range:             | 8 µm ... 14 µm              |
| Color palettes:             | 15                          |
| Lens:                       | 7 mm                        |
| View angle:                 | 34 °                        |
| Resolution:                 | 320 x 240 px                |

## VIDEO CAMERA:

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Sensor:                   | 1/2.8 " Progressive Scan CMOS                           |
| Matrix size:              | 2.1 Mpx                                                 |
| Scanning system:          | Progressive                                             |
| Lens:                     | 6 mm                                                    |
| View angle:               | • 53 ° (manufacturer data)<br>• 51 ° (our tests result) |
| Optical zoom:             | —                                                       |
| Digital zoom:             | x 8                                                     |
| Min. illumination:        | 0.002 Lux (color) @ F1.5<br>0.0002 Lux (B/W) @ F1.5     |
| Range of IR illumination: | 40 m                                                    |
| S/N ratio:                | > 50 dB (AGC off)                                       |

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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution:                    | 1920 x 1080 - 1080p<br>1280 x 960 - 1.3 Mpx<br>1280 x 720 - 720p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| General information:           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Standard:                      | TCP/IP, CVBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Video output:                  | CVBS - 1 Vpp / 75 Ω, BNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 @ 320 x 240<br>25 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network protocols:             | IPv4/IPv6, HTTP, HTTPS, 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:                         | 16.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mobile phones support:         | Port no.: 8000 or access by a cloud (P2P)<br><ul style="list-style-type: none"> <li>• Android: Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a></li> <li>• iOS (iPhone): Free application <a href="#">iVMS-4500</a> or <a href="#">Hik-Connect</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Default IP address:            | 192.168.1.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Default admin user / password: | admin / -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Web browser access ports:      | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PC client access ports:        | Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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>                                                                                                                                                                                                                                                                                                                                                                                           |
| 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>• PIP - Picture In Picture</li> <li>• D-WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• Intelligent Image Analysis - Only for thermal imaging camera : crossing the line (tripwire), intrusion, classification of people and vehicles, crossing the line (tripwire), fire detection</li> <li>• Audio detection</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones</li> <li>• Adaptive AGC - Adaptive Auto Gain Control</li> <li>• DDE - Digital Detail Enhancement</li> <li>• Sharpness - sharper image outlines</li> <li>• Mirror - Mirror image</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• ICR - Movable InfraRed filter</li> </ul> |



|                        |                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply:          | <ul style="list-style-type: none"> <li>• PoE (802.3at),</li> <li>• 12 V DC / 1600 mA,</li> <li>• 24 V AC / 840 mA</li> </ul>                                                                                                                   |
| Power consumption:     | ≤ 20 W                                                                                                                                                                                                                                         |
| Housing:               | Compact - Metal                                                                                                                                                                                                                                |
| Color:                 | White                                                                                                                                                                                                                                          |
| "Index of Protection": | IP66                                                                                                                                                                                                                                           |
| Operation temp:        | -40 °C ... 60 °C                                                                                                                                                                                                                               |
| Dimensions:            | 114 x 114 x 340 mm (with bracket)                                                                                                                                                                                                              |
| Weight:                | 1.9 kg (with bracket)                                                                                                                                                                                                                          |
| 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:              | 305400396                                                                                                                                                                                                                                      |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                 |

## PRESENTATION



Side view:



Mounting side view:



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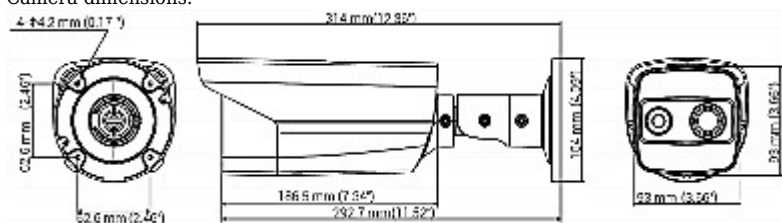
Memory card slot:



Camera connectors:



Camera 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:

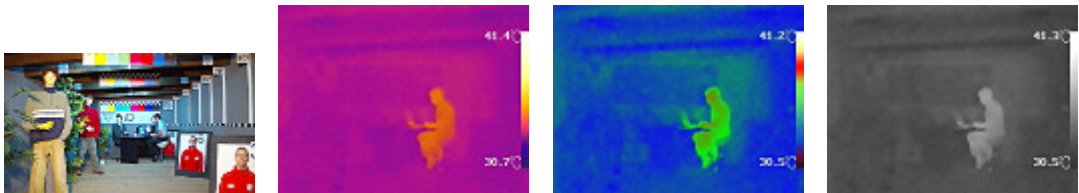
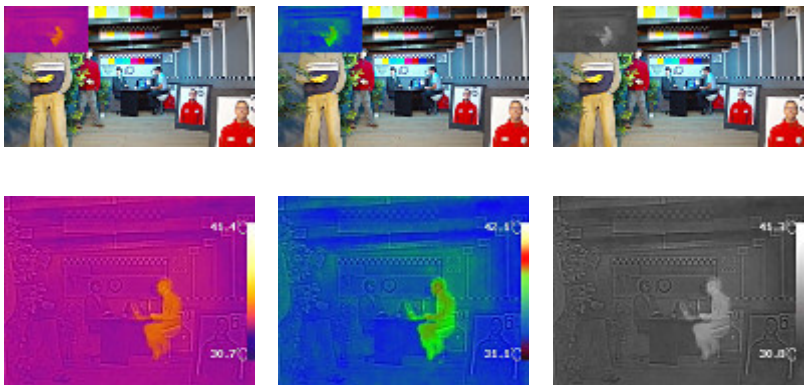


Image Fusion functions:



**PACKAGE**

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