



	IP HYBRID THERMAL IMAGING CAMERA DS-2TD2628T-7/OA 6.9 mm - 720p, 6.4 mm - 4 Mpx Hikvision	IP HYBRID THERMAL IMAGING CAMERA TPC-BF2241-TB7F8-S2 7.0 mm - 960p, 8.0 mm - 4 Mpx DAHUA
		
	1214.89 EUR 1214.89 EUR	2134.94 EUR 2134.94 EUR
Pixel pitch	12 µm	12 µm
Thermal sensitivity (NETD)	≤ 40 mK @ F1.0	< 40 mK @ F1.0
Spectral range	8 µm ... 14 µm	8 µm ... 14 µm
Color palettes	✓	18
Temperature measurement	<ul style="list-style-type: none"> • Spot • Line • Area max. 21 positions	...
Temperature measurement range	-20 °C ... 550 °C	...
Accuracy of temperature measurement	± 2 °C	...
Sensor	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS
Matrix size	256 x 192 px 4 Mpx	256 x 192 px 4 Mpx
Min. illumination	...	0.05 Lux (color) @ F2.0 0.005 Lux (B/W) @ F2.0
Lens	6.9 mm 6.4 mm	7.0 mm 8.0 mm
View angle	24.9 ° 53 °	24 ° 33.4 °
Optical zoom	— —	—
Digital zoom	2x, 4x —	—
Range of IR illumination	30 m	50 m
White light LED illuminator range	30 m	...
Resolution	1280 x 720 - 720p , 704 x 576 640 x 512 320 x 240 2688 x 1520 - 4 Mpx 1920 x 1080 - 1080p 1280 x 720 - 720p	1280 x 960 - 960p , 1024 x 768 px , 640 x 480 px , 256 x 192 px 2336 x 1752 - 4 Mpx , 1920 x 1080 - 1080p 1280 x 720 - 720p 704 x 576 - 4CIF 352 x 288 - CIF
Standard	IP	TCP/IP, CVBS
Video output	CVBS, SPOT output : 1.0 Vpp / 75 Ω	CVBS - 1 Vpp / 75 Ω, BNC
RS-485 interface	✓	✓
Memory card slot	Micro SD memory cards up to 256GB support (possible local recording)	Micro SD memory cards up to 256GB support (possible local recording)
Image compression method	H.265 / H.264 / MJPEG	H.265 / H.264 / H.264H / H.264B / MJPEG
Alarm inputs / outputs	2 / 2	1 / 1
Audio	<ul style="list-style-type: none"> • External microphone input / Audio input, • Audio output, • Bi-directional audio streaming support, • Speaker built-in 	<ul style="list-style-type: none"> • Audio input • Audio output • Bi-directional audio streaming support



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 Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00

Main stream frame rate	25 fps @ 4 Mpx	25 fps @ 1280 x 960 25 fps @ 4 Mpx
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)
Network protocols	...	HTTPS, HTTP, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, SNMP, QoS, UPnP, NTP
WEB Server	Built-in	Built-in, NVR compliance
Max. number of on-line users	32	10
ONVIF	✓	✓
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) • Android: Free application iVMS-4500 or Hik-Connect • iOS (iPhone): Free application iVMS-4500 or Hik-Connect	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS
Default IP address	192.168.1.64	192.168.1.108
Default admin user / password	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start
Web browser access ports	80	80, 37777
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	37777
Mobile client access ports	8000	37777
Port ONVIF	80	80
Intelligent image analysis	<ul style="list-style-type: none"> • IVS analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area • Smoke detection • fire detection • object detection (people, vehicle) 	...
RTSP URL	<ul style="list-style-type: none"> • Main stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/THERMAL IMAGING CAMERA : • Sub stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/THERMAL IMAGING CAMERA : • Main stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/201/THERMAL IMAGING CAMERA : • Sub stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/202/THERMAL IMAGING CAMERA : 	<ul style="list-style-type: none"> • Main stream rtsp://admin:hasio@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 • Sub stream rtsp://admin:hasio@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1
Protections	<ul style="list-style-type: none"> • Protection against lightning discharges : 4 kV • Overvoltage limiter, Overvoltage protection 	...
Mechanical protection class	IK10	...
Main features	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • 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 • Sun-reflection filter • Temperature measurement • Intelligent alarm linked to turning on white light and loudspeaker • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • The ANR (Automatic Network Replenishment) function - ensures integrity of recording data in the event of network failures. It bases on automatic saving the recording data to microSD card inserted inside the camera, and after failure is end, the recorded data are automatically synchronized with the recorder 	<ul style="list-style-type: none"> • The possibility of overlapping the image from a thermal imaging camera in a classic image - 3 Display modes • PIP - Picture In Picture • D-WDR - Wide Dynamic Range • ROI - improve the quality of selected parts of image • EIS - Electronic Image Stabilization • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • Motion Detection • Temperature measurement in the range: -20°C ... +550°C • Intelligent tracking of warmest / coldest point • IVS analysis : crossing the line (tripwire), intrusion, object detection (people, vehicle), fire detection, Smoke detection • Active deterrence function - Light and sound alarm • 6kV protection of the camera and its structure against the effects of lightning • Protection against electrostatic discharge - Contact/Air (ESD/EMP) : 8 / 15 kV
Housing	Compact - Metal	Compact - Metal
Color	White	White

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"Index of Protection"	IP67	IP67
Power supply	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC, • 24 V AC 	<ul style="list-style-type: none"> • ePoE, • PoE (802.3af), • 12 V DC / 1 A
Power consumption	≤ 8.5 W	≤ 12 W
Operation temp	-40 °C ... 65 °C	-30 °C ... 60 °C
Weight	1.76 kg	1.4 kg
Dimensions	358.3 x 113.5 x 115.2 mm	96 x 104 x 280 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	English
Manufacturer / Brand	Hikvision	DAHUA
SAP Code	305401692	...
Guarantee	3 years	3 years



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