DS-2TD2367-50/P
Thermal Network Bullet Camera

Hikvision DS-2TD2367-50/P Thermal Network Bullet Camera can be applied to substations, hydropower stations, waste incineration plants, manufacturing workshops, etc. The accurate temperature measurement device sends temperature exception alarms for loss prevention.

- 640 x 512 resolution, 17 µm, VOx UFPA, NETD < 35 mK (25 °C, F# = 1.0)

- Perimeter protection functions, based on deep learning algorithm: Line crossing, intrusion, region entrance & exit

- Image processing technology: linear, histogram, self-adaptive thermal AGC mode, DDE, 3D DNR

- Temperature exception alarm

- Fire detection algorithm

• Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	640 × 512
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	< 35 mk (25 °C, F# = 1.0)
Focal Length	50mm
IFOV	0.34 mrad
Field of View	12.4° × 10° (H × V)
Min. Focusing Distance	50 m
Aperture	F 1.0
Digital Zoom	×2, ×4, ×8
Image Effect	
Target Coloration	Yes. Supported in white hot and black hot mode.
Smart Function	
VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.
Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line).
Temperature Range	-20 °C to 150 °C (-4 °F to 302 °F)
Temperature Accuracy	Max (±8 °C, ±8 %)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable.
Video and Audio	
Main Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 640 × 512,352 × 288)
Sub-stream	50 Hz: 25 fps (704 × 576, 640 × 512,352 × 288)
Third Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 640 × 512,352 × 288)
Video Compression	Main Stream: H.265/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
Audio Compression	G.722.1/G.711ulaw/G.711alaw/MP2L2/G.726/AAC/PCM
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
API	ISAPI, HIKVISION SDK, open network video interface
Security	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x (EAP-MD5, EAP-TLS), access control, IP address filtering
Simultaneous Live View	Up to 20 channels
Client	iVMS-4200, Hik-Connect
Web Browser	IE 11, Chrome 41-44, Firefox 30-51
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)

User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Interface	
Alarm Input	2, alarm input (0-5 VDC)
Alarm Output	2, alarm output
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface 1, Single Mode Fiber interface; TX: 1310 nm; RX 1550 nm; Transmission Distance: 20 km; Transmission Speed: 100 M;
General	
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power Supply	24 VAC ± 25%, two-core terminal block PoE (802.3at, class 4)
Power Consumption	18 VAC to 30 VAC: 0.13 A to 0.22 A, max 5 W 9 VDC to 15 VDC: 0.37 A to 0.61 A, max 5 W PoE (802.3at, class 4): 44 V to 57 V: 0.1 A to 0.13 A, max. 5.5 W
Working Temperature/Humidity	Temperature: - 40 °C to 65 °C (- 40 °F to 149 °F) Humidity: 90% or less
Protection Level	IP67 Standard TVS 6000V lightning protection, surge protection, voltage transient protection
Dimensions	535mm × 400mm × 171mm (21.06" × 15.75" × 6.73")
Weight	Approx. 6.40 kg (14.11 lb)

▪ Range Table

VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Humans: 1.8 × 0.5 m)	Temperature Measurement (Object: 0.2 × 0.2 m)	Fire Detection (Object: 0.2 × 0.2 m)
1029m	368m	45 m	150 m

▪ DORI

* The table is only for reference and the performance may vary according to different environment.
* The optimal human detection, recognition, and identification distances are calculated according to Johnson's Criteria.
Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.
Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or

more pixels.
Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

Detection Range (Vehicles: 1.4 × 4.0 m)	Detection Range (Humans: 1.8 × 0.5 m)	Recognition Range (Vehicles: 1.4 × 4.0 m)	Recognition Range (Humans: 1.8 × 0.5 m)	Identification Range (Vehicles: 1.4 × 4.0 m)	Identification Range (Humans: 1.8 × 0.5 m)
4510 m	1471 m	1127 m	368 m	564 m	184 m

▪ Available Model
DS-2TD2367-50/P

▪ Dimension

▪ Accessory

▪ Optional

DS-2904ZJ
Vertical Pole Mount
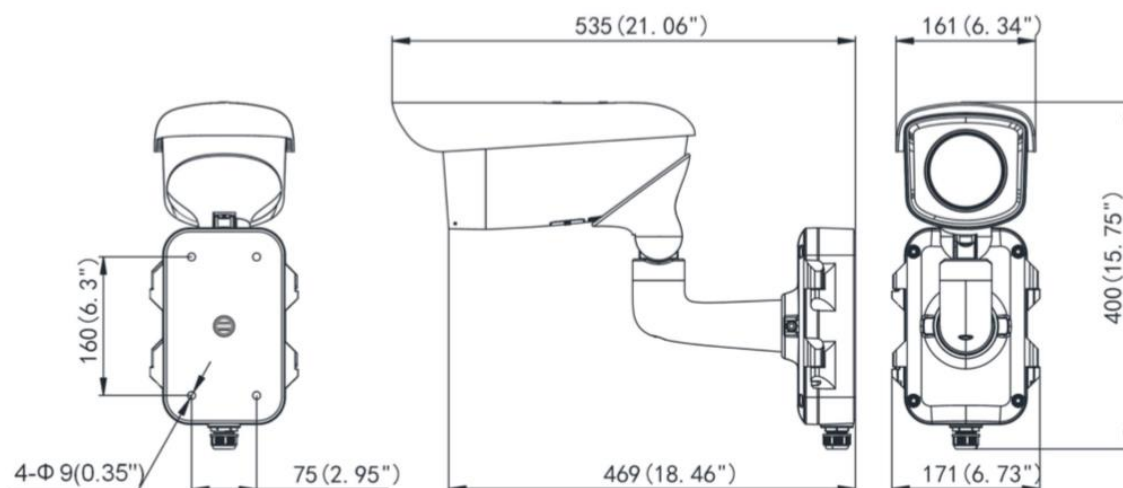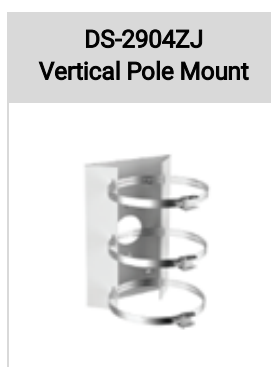
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