HIKVISION®

DS-2TD2137T-4/QY
Anti-corrosion Network Thermography Bullet Camera

Hikvision DS-2TD2137T-4/QY Anti-corrosion Network Thermography Bullet Camera can be applied to warehouses, construction sites, waste incineration plants, manufacturing workshops, etc. The accurate temperature measurement device sends temperature exception alarms for loss prevention.

Key Feature

- 384 × 288 resolution, 17 μm, VOx UFPA, NETD < 35 mK (25°C, F1.0)
- Video content analysis: vehicle/human classification
- Temperature exception alarm for fire prevention, -20°C to 550°C (-4°F to 1,022°F), Max (± 2°C, ± 2%)
- Smoking detection Algorithm
- Image processing technology: linear, histogram, self-adaptive thermal AGC mode, DDE, 3D DNR
- High quality detector with 10 years guarantee

Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	≤ 35 mK (@ 25°C,F# = 1.0)
Focal Length	4.4 mm
IFOV	3.86 mrad
Aperture	F1.0
Field of View	90° × 65.3° (H × V)
Min. Focusing Distance	0.3 m
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 550°C (-4°F to 1022°F)
Temperature Accuracy	Max. (±2°C, ±2 %)
Video and Audio	
Main Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 352 × 288, 384 × 288)
Sub-stream	50 Hz: 25 fps (704 × 576, 352 × 288, 384 × 288)
Third Stream	50 Hz: 25 fps (1280 × 720, 704 × 576, 352 × 288, 384 × 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/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, TP, Bonjour, SFTP, SRTP
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
API	ISAPI, HIKVISION SDK, and third-party management platform, Open Network Video Interface (Profile S, Profile G)
Simultaneous Live View	Up to 20 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and password), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering
Client	iVMS-4200, Hik-Connect
Interface	
Alarm Input	2, alarm input (0 VDC to5 VDC)

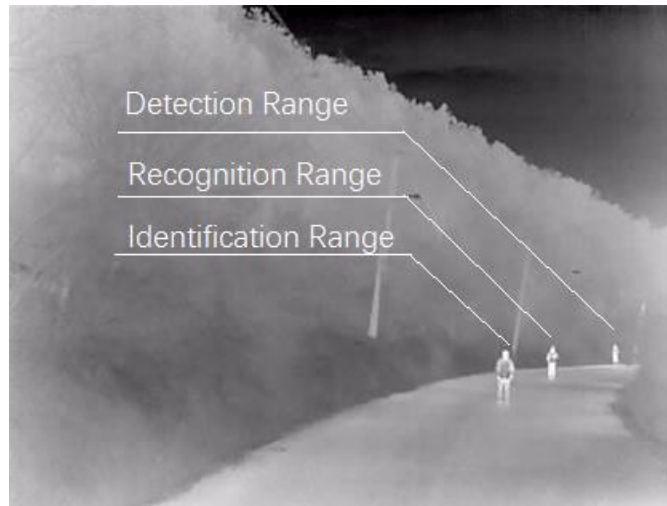| Alarm Output	2, alarm output (alarm response actions configurable)
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω
Communication Interface	1, RJ45 10 M/100 M Self-adaptive Ethernet interface. 1, RS-485 interface (half duplex)
Analog Output	1.0 V [p-p]/75 Ω, PAL/NTSC/BNC
General	
Menu 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%, 12 VDC ± 25%, two-core terminal block PoE (802.3af, class 3)
Power Consumption	24 VAC ± 25%: 0.13 A to 0.22 A, Max. 5 W 12 VDC ± 25%: 0.37 A to 0.61 A, Max. 5 W 24 VDC: 0.21 A, Max. 5 W PoE (802.3af, class 3): 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: 95% or less
Protection Level	IP67 Standard TVS 4000V lightning protection, surge protection, voltage transient protection
Dimension	351.3 mm × 113.5 mm × 115.2 mm (13.83" × 4.47" × 4.53")
Weight	Approx. 1.77 kg (3.90 lb)

DRI Range Table

* The table is only for reference and the performance may vary according to different environment.

* The optimal 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.

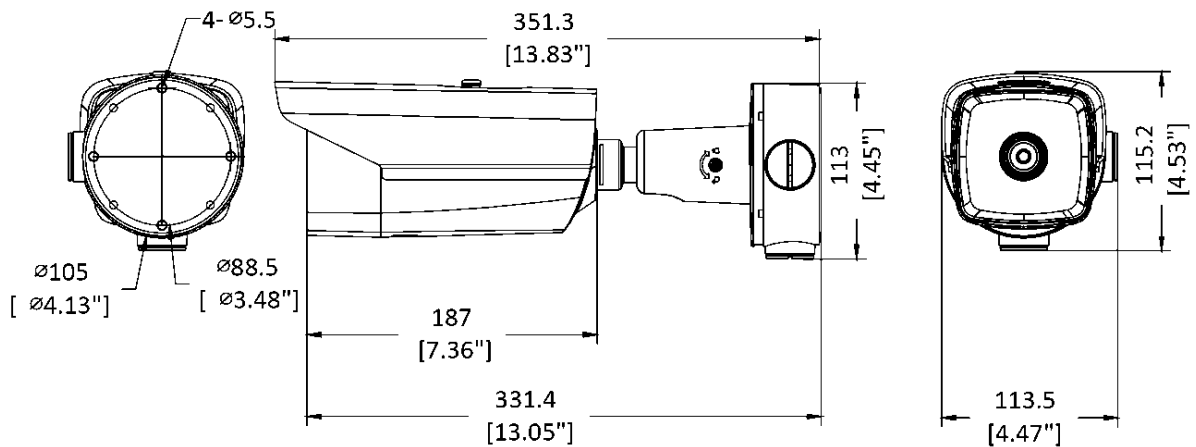| Detection Range (Vehicles: 1.4 × 4.0 m)	Detection Range (Humans: 1.8 × 0.5 m)	Recognition Range (Vehicles: 1.4 × 4.0 m)	Recognition Range (Humans: 1.8 × 0.5 m)	Identification Range (Vehicles: 1.4 × 4.0 m)	Identification Range (Humans: 1.8 × 0.5 m)
360 m	117 m	90 m	29 m	45 m	15 m

Smart Function Table

* The table is only for reference and the performance may vary according to different environment.

VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Humans: 1.8 × 0.5 m)	Temperature Measurement (Object: 0.2 × 0.2 m)	Temperature Measurement (Object: 1 × 1 m)
92.4 m	30.8 m	10 m	52 m

Available Model

DS-2TD2137T-4/QY

▪ Dimension

4- Ø5.5

351.3
[13.83"]

113
[4.45"]

115.2
[4.53"]

Ø105
[Ø4.13"]

Ø88.5
[Ø3.48"]

187
[7.36"]

331.4
[13.05"]

113.5
[4.47"]

Unit:mm

▪ Accessory
▪ Included

DS-1260ZJ-AC#SA

Junction box

▪ Optional

DS-1276ZJ-SUS

Corner Mount

DS-1275ZJ-S-SUS

Vertical pole mount

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