

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, SSL |
| 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, ONVIF (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 to 5 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 K Ω \pm 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 \pm 25%, 12 VDC \pm 25%, two-core terminal block PoE (802.3af, class 3) |
| Power Consumption | 24 VAC \pm 25%: 0.13 A to 0.22 A, Max. 5 W 12 VDC \pm 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, IK10-rated housing |
| Dimension | 351.3 mm \times 113.5 mm \times 115.2 mm (13.83" \times 4.47" \times 4.53") |
| Weight | Approx. 1.77 kg (3.90 lb) |

DRI Range Table

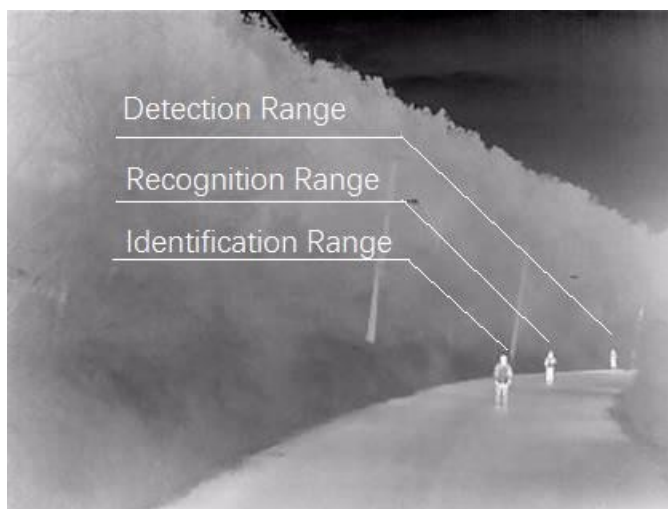
* The table is only for reference and the performance may vary according to different environment.

* 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

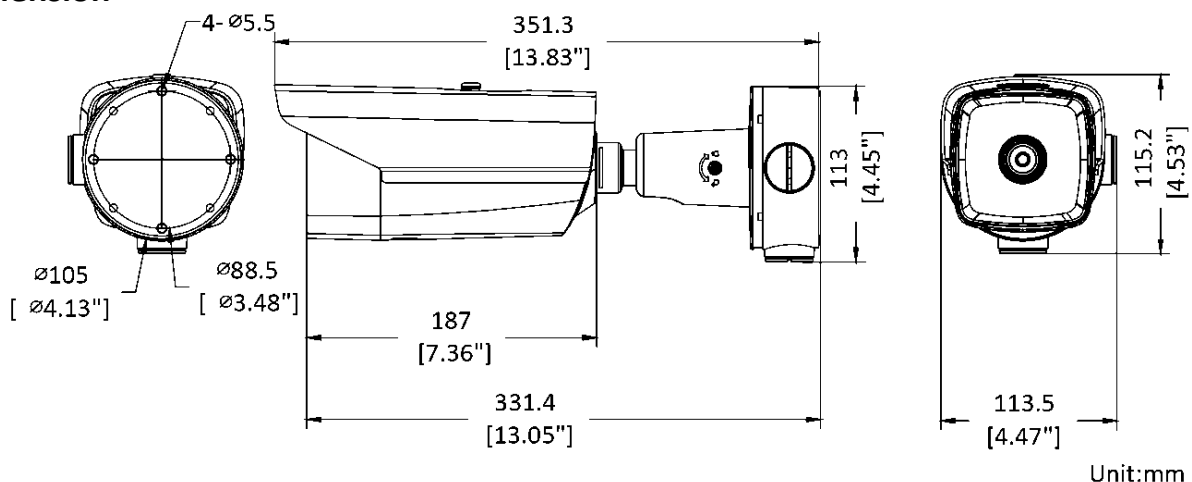
* The table is only for reference and the performance may vary according to different environment.

| 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) | Fire Detection (Object: 0.2 × 0.2 m) | Smoking Detection |
|--------------------------------------|------------------------------------|---|---|---|----------------------|
| 92.4 m | 30.8 m | 10 m | 52 m | 44 m | 4.4 m |

Available Model

DS-2TD2137T-4/QY

▪ Dimension



▪ 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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