

DS-2TD2137-10/PY

Anti-corrosion Thermal Network Bullet Camera



Hikvision DS-2TD2137-10/PY Anti-corrosion Thermal Network Bullet Camera is applied to perimeter protection and fire-prevention purposes in critical infrastructures such as: airport, railway, prison, power station, 4S stores, and so on. With the vanadium oxide uncooled focal plane sensor, it enhances the thermal image quality. It adopts anti-corrosion coating to meet the requirements of used in anti-corrosion environment.

Key Feature

- Powerful perimeter protection functions, based on intelligent algorithm: Line crossing, intrusion, region entrance & exit
- Temperature exception alarm for fire prevention
- Fire detection algorithm
- 384 × 288 resolution 17 μm, VOx UFPA, NETD ≤ 35 mK (25°C, F# = 1.0)
- Image processing technology: Linear, histogram, and self-adaptive thermal AGC mode, DDE, 3D DNR



▪ Specification

| Thermal | |
|-------------------------|--|
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 384 × 288 |
| Pixel Interval | 17 μm |
| Response Waveband | 8 μm to 14 μm |
| NETD | ≤35 mK (@25°C, F# = 1.0) |
| Focal Length | 9.7 mm |
| I FOV | 1.75 mrad |
| Aperture | F1.0 |
| Field of View | 37.5° × 28.5°(H × V) |
| Min. Focusing Distance | 1 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 150°C (-4°F to 302°F) |
| Temperature Accuracy | ± 8°C (± 14.4°F) |
| Fire Detection | Dynamic fire detection, up to 10 fire points detectable. |
| Video and Audio | |
| Main Stream | 25 fps (1280 × 720, 704 × 576, 384 × 288, 352 × 288) |
| Sub-stream | 25 fps (704 × 576, 384 × 288, 352 × 288) |
| Third Stream | 25 fps (1280 × 720, 704 × 576, 384 × 288, 352 × 288) |
| Video Compression | Main stream: H.265+/H.265/H.264+/ H.264 Sub-stream: H.265/H.264/MJPEG |
| Audio Compression | G.711u/G.711a/G.722.1/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 |
| Network Storage | microSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| API | ISAPI, HIKVISION SDK, third-party management platform, open network video interface |
| Simultaneous Live View | Up to 20 channels |
| User/Host level | Up to 32 users, 3 levels: Administrator, Operator, User |
| Security | User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering |
| Client | iVMS-4200, Hik-Connect |
| Web Browser | IE 10-11, Chrome 41-44, Firefox 30-51 |

| Interface | |
|---------------------------|--|
| Alarm Input | 2-ch inputs (0 to 5 VDC) |
| Alarm Output | 2-ch relay outputs, alarm response actions configurable |
| Alarm Action | SD card record/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 |
| 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 | 12 VDC \pm 20%, two-core terminal block PoE (802.3af, class 3) |
| Power Consumption | 12 VDC \pm 20%: 0.4 A, max. 4.5 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, max. 5 W |
| Work Temperature/Humidity | -40°C to 65°C (-40°F to 149°F) 95% or less |
| Protection Level | IP67 Standard TVS 6000 V lightning protection, surge protection, voltage transient protection |
| 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

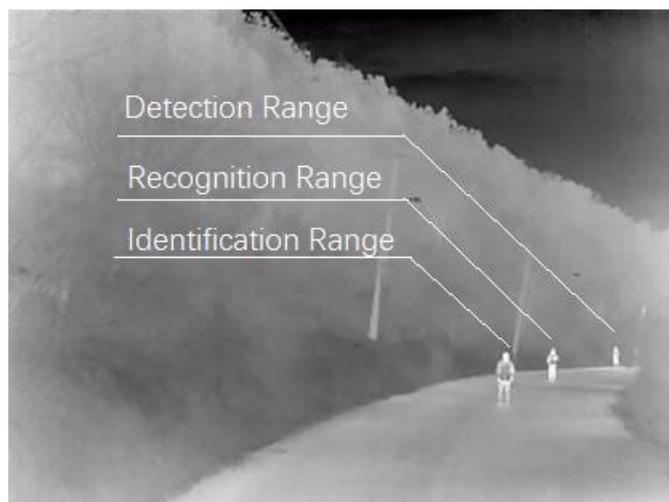
* The table is only for reference and the performance may vary according to different environment.

* The optimal 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) |
|---|---|---|---|--|--|
| 902 m | 294 m | 225 m | 74 m | 113 m | 37 m |

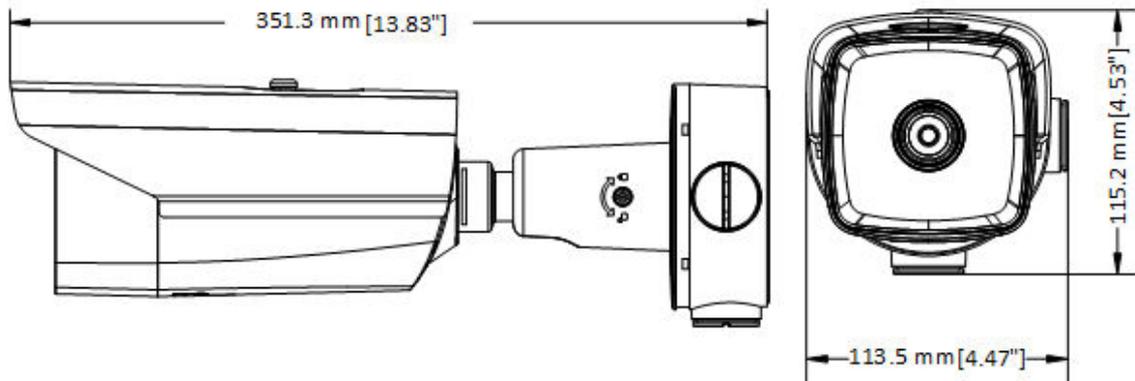
▪ Smart Function Table

* 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: 2 × 2 m) | Temperature Measurement (Object: 1 × 1 m) | Fire Detection (Object: 2 × 2 m) | Fire Detection (Object: 1 × 1 m) |
|---|---------------------------------------|---|---|-------------------------------------|-------------------------------------|
| 200 m | 71 m | 234 m | 118 m | 588 m | 294 m |

▪ Available Model

DS-2TD2137-10/PY, DS-2TD2137-10/PY(HIKVISION SPAIN SL)

Dimension

Unit:mm[Inch]

Accessory**Included**

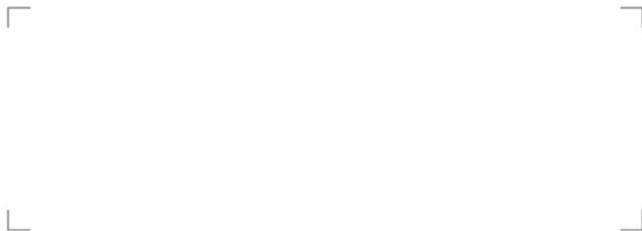
DS-1260ZJ-AC#SA
Junction box

Optional

DS-1275ZJ-Y
Vertical pole mount

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.

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