HIKVISION®

DS-2TD2137-35/P
Thermal Network Bullet Camera

DeepinView series

Hikvision DS-2TD2137-35/P Thermal Network Bullet Camera equipped with built-in GPU which support intelligent behavior analysis algorithm, can realize high precision VCA detection and real-time alarm. It is applied to perimeter protection and fire prevention purposes in critical infrastructures such as solar park, substation, airport, recycling site, warehouses and so on. The pre-alarm system helps you discover unexpected events immediately and protects you from property loss.

Key Feature

- Behavior analysis function, based on deep learning 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: Liner, histogram, and self-adaptive thermal AGC mode, DDE, 3D DNR

Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Interval	17 µm
Response Waveband	8 µm to 14 µm
NETD (Noise Equivalent Temperature Difference)	≤ 35 mk (25 °C,F#=1.0)
Focal Length	35 mm
IFOV	0.49 mrad
Field of View	10.7° × 8° (H × V)
Min. Focusing Distance	30 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 (Video Content Analysis)	4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 8 VCA rules.
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 & Audio	
Main Stream	25 fps (1280 × 720, 704 × 576, 352 × 288, 384 × 288)
Sub Stream	25 fps (704 × 576, 352 × 288, 384 × 288)
Third Stream	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 .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	Open-ended API, supporting ISAPI, HIKVISION SDK, and 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(EAP-MD5, EAP-TLS), access control, IP address filtering
Client	iVMS-4200, Hik-Connect
Web Browser	IE 11, Chrome 41-44, Firefox 30-51

Interface	
Alarm Input	2-ch inputs (0-5 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: 2-2.4 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

| **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	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block PoE (802.3af, class 3)
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 (802.3af, 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: 90% or less
Protection Level	IP66 Standard TVS 6000V Lightning protection, surge protection, voltage transient protection
Dimension	358.3 mm × 113.5 mm × 115.2 mm (14.10" × 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 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.
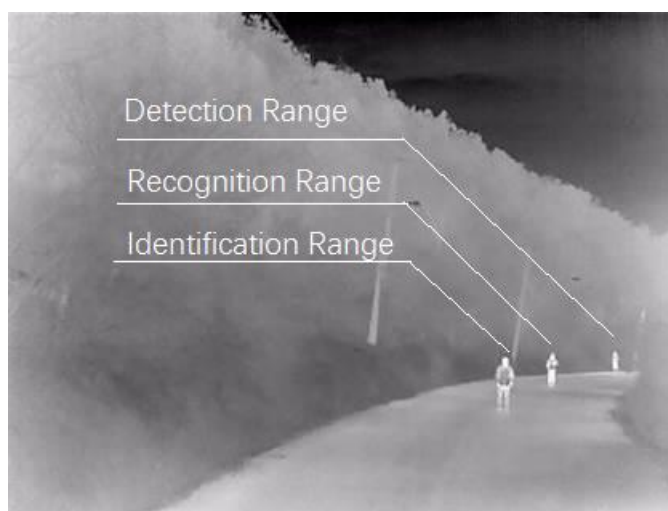
Detection Range (Vehicles: 1.4×4.0m)	Detection Range (Humans: 1.8×0.5m)	Recognition Range (Vehicles: 1.4×4.0m)	Recognition Range (Humans: 1.8×0.5m)	Identification Range (Vehicles: 1.4×4.0m)	Identification Range (Humans: 1.8×0.5m)
3157 m	1029 m	789 m	257 m	395 m	129 m

Smart Function Table

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

VCA Range (Vehicles: 1.4×4.0m)	VCA Range (Humans: 1.8×0.5m)	Temperature Measurement (Object:2×2 m)	Temperature measurement (Object:1×1 m)	Fire Detection (Object:2×2 m)	Fire Detection (Object:1×1 m)
721 m	257 m	819 m	413 m	2058 m	1029 m

Available Model

DS-2TD2137-35/P

Dimension

358.3
[14.10"]

337.2
[13.27"]

113.5
[4.47"]

115.2
[4.53"]

Unit:mm
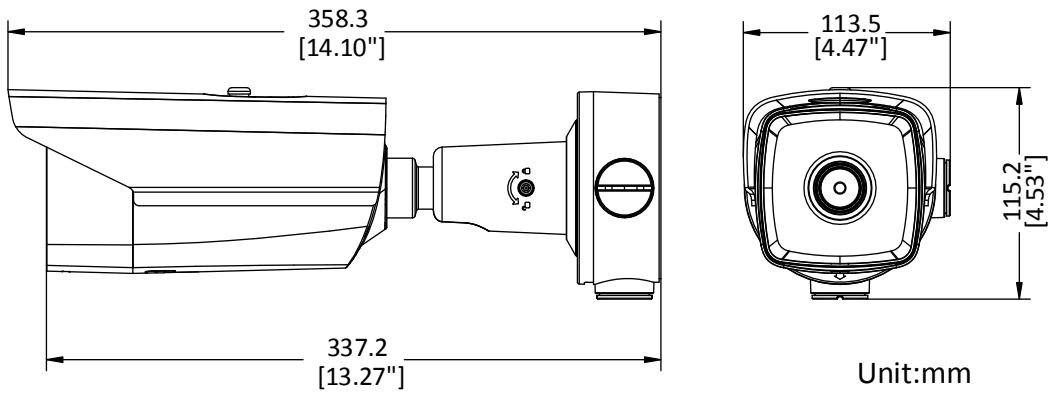
▪ **Accessory**

DS-1275ZJ-S-SUS
Vertical Pole Mount

DS-1276ZJ-SUS
Corner Mount

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