HIKVISION

DS-2TD2137-7/P
Thermal Network Bullet Camera

DeepinView series

Hikvision DS-2TD2137-7/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 defense and fire-prevention purposes in critical infrastructures such as: airport, railway, prison, power station, 4S stores, and so on. The pre-alarm system helps you discover unexpected events immediately and protects you from property loss.

Smart Function (Thermal Imaging)

- Image processing technology: Adaptive AGC, DDE, 3D DNR, NETD ≤ 35mk (@25°C,F#=1.0)
- Behavior analysis function, based on deep learning algorithm: Line crossing, Intrusion, Region Entrance & Exit
- Temperature exception alarm for fire prevention
- Fire detection algorithm

Thermal Imaging Module Function

- 384 × 288 resolution sensor, high sensitivity sensor, support contrast adjustment
- 3D DNR, 15 palettes of color adjustable, image detail enhancement
- Mirror image, digital zoom ×2, ×4, ×8, local output

Specification

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
NETD	≤ 35mk (@25°C,F#=1.0)
Lens (Focal Length)	6.5 mm
IFOV	2.62 mrad
Field of View	60° × 44.1° (H × V)
Min. Focusing Distance	0.6 m
Aperture	F 1.0

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 (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 point detection, up to 10 fire points detectable.

Network

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	H.265/H.264/MJPEG
Audio Compression	G .711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering

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 3.5mm 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
Ethernet	1 RJ45 10 M/100 M Self-adaptive Ethernet interface
SD Memory Card	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 256 G),

	support manual/alarm recording
Analog Video Output	1.0 V [p-p]/75 Ω, BNC, PAL/NTSC
Communication Interface	RS-485
Application Programming	Open-ended API, support ISAPI, HIKVISION SDK and third-party management platform, ONVIF (Profile S, Profile G, Profile T)
Client	iVMS-4200, Hik-Connect
Web Browser	IE 8-11, Chrome 41-44, Firefox 30-51
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 30VAC: 0.13 A to 0.22A, max 5w 9 VDC to 15VDC: 0.37 A to 0.61A, max 5w PoE (802.3af, class 3): 44 V to 57 V: 0.1 A to 0.13 A, max. 5.5W
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
Dimensions	358.3 mm × 113.5 mm × 115.2 mm (14.10" × 4.47" × 4.53")
Weight	Approx. 1.77 kg (3.90 lb)

Detection Range Table

* The table is only for reference, the performance may vary from camera to camera.

Smart functions Range

Different targets trigger the VCA events within different range limits.

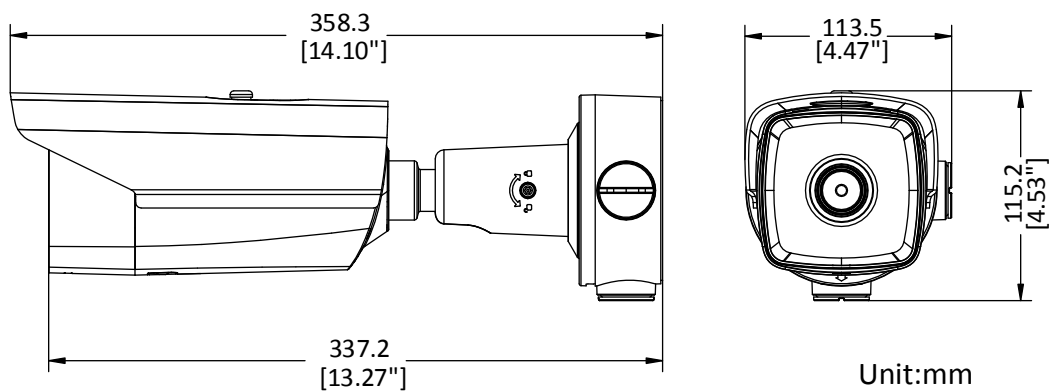| VCA Range (Vehicles: 1.4×4.0m)	VCA Range (Humans: 1.8×0.5m)	Temperature Measurement (Object:2×2 m)	Temperature measurement (Object:1×1 m)	Fire Detection (Object:2×2 m)	Fire Detection (Object:1×1 m)
210 m	70 m	164 m	83 m	412 m	206 m

Wide Range Coverage

There is range limit for detecting, recognizing, and identifying human/vehicle targets.

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)
631 m	206 m	158 m	51 m	79 m	26 m

Available Model

DS-2TD2137-7/P

Dimension

Unit:mm

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