DS-2TD2136T-10
Thermal Network Bullet Camera

DeepinView series





Hikvision DS-2TD2136T-10 Thermometric Network Bullet Camera is applied to manufacture process supervision of pyrophoric materials in factories, electric substation, and hydropower station. The accurate temperature measurement system sends you alarms to protect you from property loss.

Smart Function (Thermal Imaging)

- Leading image processing technology: Adaptive AGC, DDE, 3D DNR, NETD less than 40mk (@25°C,F#=1.0)
- Powerful behavior analysis function, based on deep learning algorithm: Line crossing, Intrusion, Region Entrance & Exit
- Reliable temperature exception alarm function
- Advanced fire detection algorithm

Thermal Imaging Module Function

- 384 × 288 resolution sensor, high sensitivity sensor, support contrast adjustment
- Shutter adjustment in various modes
- 3D DNR, 15 palettes of color adjustable, image detail enhancement

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	less than 40mk (@25°C,F#=1.0)
Lens (Focal Length)	10 mm
MRAD	1.70 mrad
Field of View	37.20° × 28.33° (H × V)
Min. Focusing Distance	1 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 regions, and 1 line).
Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
Temperature Accuracy	Max (± 2 °C, ± 2%)
Fire detection	Dynamic fire point detection, up to 10 fire points detectable.
Network	
Main Stream	50fps (384×288)
Sub Stream	50fps (384×288)
Third Stream	50fps (384×288)
Video Compression	H.265/H.264/MJPEG, H.265+/H.264+ encoding with Baseline/Main/High Profile
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
API	ONVIF (PROFILE S, PROFILE G)
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
Integration	
Alarm Input	2-ch inputs (0-5V DC)
Alarm Output	2-ch relay outputs, alarm response actions configurable
Alarm Action	Preset/Patrol Scan/Pattern Scan/SD Card Record/Relay Output/Smart capture/FTP upload/Email linkage
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance:1KΩ±10%
Audio Output	Linear Level; Impedance: 600Ω
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface

SD Memory Card	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 128G), support manual/alarm recording
Analog Video Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC
Application Programming	Open-ended API, support ISAPI, HIKVISION SDK and third-party management platform
Client	iVMS-4200
Web Browser	IE9+, chrome31-chrome44, Firefox 30-Firefox51, Safari 5.02+(mac)
General	
Menu language	English
Power	24 VAC± 25%, 12 VDC± 20%, two-core terminal block PoE (802.3at, class 4)
Power Consumption	24 VAC± 25%: 0.84 A, 12 VDC ± 20%: 1.7 A, max. 8W (20W with De-icing Heater On), PoE (802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.5 A
Working Temperature/Humidity	-40 °C to 65 °C (-40 °F to 149 °F), 90% or less
Protection Level	IP66 Standard TVS 6000V Lightning protection, surge protection, voltage transient protection
Dimensions	352.4mm × 113.5mm × 113mm (13.9" × 4.45" × 4.45")
Weight	Approx. 2kg (4.41lb)

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)
300 m	100 m	234 m	118 m	588 m	294 m

Wide Range Coverage

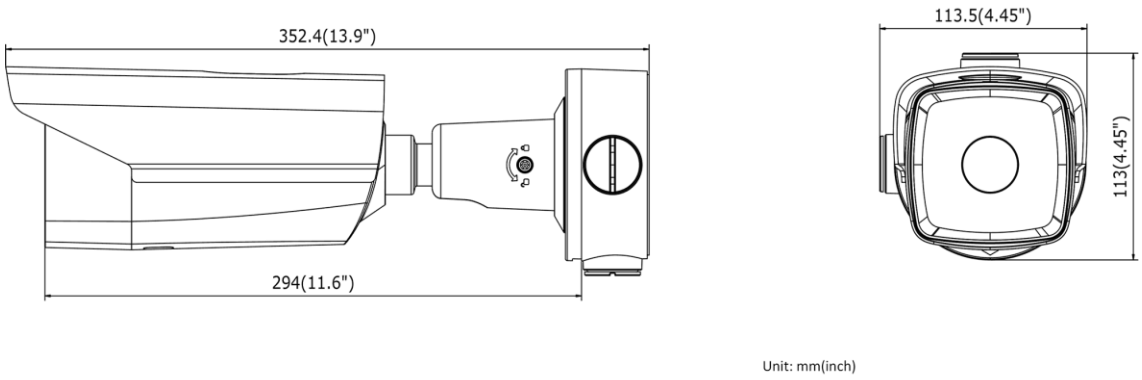
There is range limit for detecting, recognizing, and identifying human/vehicle targets.

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)
902 m	294 m	225 m	74 m	113 m	37 m

Available Model

DS-2TD2136T-10

Dimension



Unit: mm(inch)

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