

## DS-2TD2136-xx/V1

### Thermal Network Outdoor Bullet Camera

## DeepinView



#### Smart Functions (Thermal Imaging)

- Adaptive AGC, DDE, 3D DNR, NETD Less than 40 mk (@ 25° C, F#=1.0)
- Line Crossing, Intrusion, Region Entrance/Exit
- Temperature Exception Alarm
- Advanced Fire Detection

#### Thermal Imaging Module Function

- 384 × 288 Resolution, High Sensitivity Sensor, Supports Contrast Adjustment
- Shutter Adjustment in Various Modes
- 3D DNR, 15 Adjustable Color Palettes, Image Detail Enhancement

The Hikvision DS-2TD2136-xx/V1 Thermal Network Bullet Camera Series is equipped with a built-in GPU, which supports an intelligent behavior analysis algorithm and can realize high precision VCA detection and real-time alarms. It is applied to perimeter defense and fire-prevention purposes in critical infrastructures such as airports, railways, prisons, power stations, automobile dealerships, etc. The pre-alarm system helps discover unexpected events immediately and offers protection from property loss.

#### Available Models:

- DS-2TD22136-7/V1: 7 mm lens
- DS-2TD2136-10/V1: 10 mm lens
- DS-2TD2136-15/V1: 15 mm lens
- DS-2TD2136-25/V1: 25 mm lens
- DS-2TD2136-35/V1: 35 mm lens



# Specifications

	DS-2TD2136-7/V1	DS-2TD2136-10/V1	DS-2TD2136-15/V1	DS-2TD2136-25/V1	DS-2TD2136-35/V1
<b>Thermal Module</b>					
Image Sensor	Vanadium oxide uncooled focal plane arrays				
Maximum Resolution	384 × 288				
Pixel Interval	17 μm				
Response Waveband	8 μm to 14 μm				
NETD	Less than 40 mk (@ 25° C, F#=1.0)				
Lens (Focal Length)	7 mm	10 mm	15 mm	25 mm	35 mm
MRAD	2.43 mrad	1.7 mrad	1.13 mrad	0.68 mrad	0.49 mrad
Field of View (H × V)	60° × 43.8°	37.20° × 28.33°	24.55° × 18.54°	14.88° × 1.19°	10.66° × 8.002°
Minimum Focusing Distance	0.8 m	1 m	2.5 m	13 m	30 m
Aperture	f/1.0				
<b>Smart Functions</b>					
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	-4° to 302° F (-20° to 150° C)				
Temperature Accuracy	±14.4° F (±8° C)				
Fire Detection	Dynamic fire point detection, up to 10 fire points detectable				
<b>Network</b>					
Main Stream	50 fps (384×288)				
Sub Stream	50 fps (384×288)				
Third Stream	50 fps (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				
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				
<b>Integration</b>					
Alarm Input	2-ch inputs (0–5 VDC)				
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/e-mail linkage				
Audio Input	1 3.5 mm mic in/line in interface. Line input: 2–2.4 V(p-p), output impedance: 1K Ω ±10%				
Audio Output	Linear level; impedance: 600 Ω				
Ethernet	1 RJ-45 10M/100M self-adaptive Ethernet interface				
SD Memory Card	Built-in microSD card slot, supports microSD/SDHC/SDXC card (up to 128 GB), supports manual/alarm recording				
Analog Video Output	1.0 V (p-p)/75 Ω, PAL/NTSC/BNC				
Application Programming	Open-ended API, supports ISAPI, HIKVISION SDK, and third-party management platform				
Client	iVMS-4200				
Web Browser	IE 9+, Chrome 31–Chrome 44, Firefox 30–Firefox 51, Safari 5.02+ (Mac)				
<b>General</b>					
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, maximum 8 W (20 W 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° to 65° C (-40° to 149° F), 90% or less				
Protection Level	IP66 standard TVS 6000 V lightning protection, surge protection, voltage transient protection				
Dimensions	13.9" × 4.45" × 4.45" (352.4 mm × 113.5 mm × 113 mm)				
Weight	Approximately 2 kg (4.41 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.

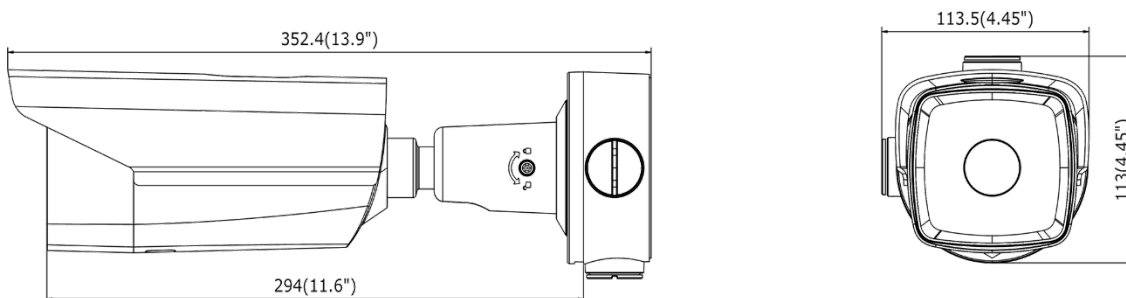
	VCA Range (Vehicles: 1.4×4.0m)	VCA Range (Humans: 1.8×0.5m)	Temperature Measurement (Object:2×2 m)	Temperature Measurement (Object:1×1 m)	Fire Detection (Object:2×2 m)	Fire Detection (Object:1×1 m)
DS-2TD2136-7/V1	210 m	70 m	164 m	83 m	412 m	206 m
DS-2TD2136-10/V1	300 m	100 m	234 m	118 m	588 m	294 m
DS-2TD2136-15/V1	450 m	150 m	351 m	177 m	882 m	441 m
DS-2TD2136-25/V1	750 m	250 m	585 m	295 m	1470 m	735 m
DS-2TD2136-35/V1	1050 m	350 m	819 m	413 m	2058 m	1029 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)
DS-2TD2136-7/V1	631 m	206 m	158 m	51 m	79 m	26 m
DS-2TD2136-10/V1	902 m	294 m	225 m	74 m	113 m	37 m
DS-2TD2136-15/V1	1353 m	441 m	338 m	110 m	169 m	55 m
DS-2TD2136-25/V1	2255 m	735 m	564 m	184 m	282 m	92 m
DS-2TD2136-35/V1	3157 m	1029 m	789 m	257 m	395 m	129 m

## Dimensions



Unit: mm(inch)