

## DS-2TD2836-50/V1 Thermal Network Bullet Camera



- High sensitivity sensor with 384 × 288 resolution
- NETD is less than 40 mk (@25° C, F#=1.0)
- Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR
- Powerful behavior analysis function: Line crossing, intrusion, region entrance & exit
- Reliable temperature-anomaly alarm
- Advanced fire detection algorithm

## ▪ Specification

Model		DS-2TD2836-50/V1
<b>Thermal Module</b>	Image sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Pixel Interval	17μm
	NETD	less than 40 mk (0.04°C), F#=1.0
	MRAD	0.34 mrad
	Field of View	7.47° × 5.61° (H × V)
	Min. Focusing Distance	50 m
	Aperture	F 1.0
	Lens (Focal Length)	50 mm
	Response waveband	8μm to 14μm
	Max. Resolution	384 × 288
<b>Optical Module</b>	Max. Resolution	1920 × 1080
	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @(F1.2, AGC ON)
	Field of View	12.7° × 7.2° (H × V)
	WDR	120 dB
	Shutter Speed	1s to 1/100,000s
	Day & Night	IR cut filter with auto switch
	Focal Length	25 mm
<b>Image Function</b>	Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
	Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image
<b>Smart Function</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	-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.
<b>Infrared</b>	IR Distance	Up to 100 m
	IR Intensity and Angle	Automatically adjusted
<b>Network</b>	Main Stream	Visible Light: 50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720), Visible Light: 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720), Thermal: 50fps (1280 × 768, 704 × 576, 640 × 512, 352 × 288)
	Sub stream	Visible Light: 50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144), Visible Light: 60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (176 × 120), Thermal: 50fps (704 × 576, 640 × 512, 352 × 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 (0-5V 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
	Reset	1 Reset Button
	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)
<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%: 0.92 A, 12 VDC ± 20%: 1.9 A, max. 15W (22W with De-icing Heater On), PoE (802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.5 A
	Work Temperature/Humidity	-40 °C to 60 °C (-40 °F to 140 °F), 90% or less
	Protection Level	IP66 Standard,TVS 6000V Lightning protection, surge protection, voltage transient protection
	Dimensions	535 mm × 171 mm × 400 mm (21.06 " × 6.73" × 15.75 ")
	Weight	Approx. 6 Kg (13.23 lb)

### ▪ Live View Performance

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)
1050	350	1170 m	590 m	2940 m	1470 m

### ▪ Available Model

DS-2TD2836-50/V1

- **Accessory**
- **Optional**

**DS-2904ZJ**

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