HIKVISION®

DS-2TD2336-50/75/100
Thermal Network Bullet Camera

smart IPC

- 384 x 288 Resolution
- Vanadium Oxide Uncooled Focal Plane Arrays
- 50 mm, 75 mm, 100 mm Lens Options
- NETD <40 mk
- Adaptive AGC, 3D DNR
- Dynamic Detail Enhancement
- Smart Features:
  - Line Crossing, Intrusion, Region Entrance/Exit
  - Temperature Exception
  - Advanced Fire Detection
- 15 Pseudo Colors Adjustable
- Includes Conduit Base
- IP66 Protection
- POE+ (802.3at), 24 VAC/12 VDC, 8 W

The Hikvision DS-2TD2336-50, DS-2TD2336-75, and DS-2TD2336-100 Thermal Network Bullet Cameras use a vanadium oxide uncooled focal plane sensor to enhance thermal image quality.

The high sensitivity sensor has 384 x 288 resolution and features contrast adjustment for optimized images. AGC (Automatic Gain Control), 3D DNR (Dynamic Noise Reduction), and Dynamic Detail Enhancement further enhance image quality.

This series of cameras also features advanced fire detection and a wide range of Smart functions, including temperature exception, line crossing, intrusion, and region entrance and exit, benefitting users with great improvements in security efficiency and, more importantly, with key events and objects being recorded for further forensic needs.

The cameras can be outfitted with a 50 mm, 75 mm, or 100 mm lens to cover a variety of needs.

Available Models:
DS-2TD2336-50 (50 mm lens)
DS-2TD2336-75 (75 mm lens)
DS-2TD2336-100 (100 mm lens)

Specifications

	DS-2TD2336-50	DS-2TD2336-75	DS-2TD2336-100
Thermal Module			
Image sensor	Vanadium oxide uncooled focal plane arrays		
Maximum Resolution	384 × 288		
Detector Pitch	17μm		
Response waveband	8μm to 14μm		
NETD	< 40mk (@ 25° C,F# =1.0)		
Lens (focal length)	50 mm	75 mm	100 mm
MRAD	0.34 mrad	0.23 mrad	0.17 mrad
Field of View	7.47° × 5.61°	4.98° × 3.74°	3.74° × 2.8°
Minimum Focusing Distance	7.5 m	8 m	10 m
F number	1.0		
Smart Function			
VCA	Supports 4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), 10 scenes, and 8 VCA rules for each scene.		
Temperature Measurement	Supports 3 temperature measurement rule types, over 256 presets as scene, 21 rules (10 points, 10 regions, and 1 line)		
Temperature Range	-4° F to 302° F (-20° C to 150° C)		
Temperature Accuracy	± 8° C (14.4° F)		
Fire Detection	Supports 10 fire points		
Network			
Main Stream	50 fps (384 × 288)		
Sub-Stream	50 fps (384 × 288)		
Third Stream	50 fps (384 × 288)		
Video Compression	H.264 (Baseline/Main/High Profile) / MJPEG / H.265, H.264+, H.265+		
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, Bonjour		
Simultaneous Live View	Up to 20-ch		
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 to 5 VDC)		
Alarm Output	2-ch relay outputs, supports alarm linkage		
Alarm Action	Preset / patrol scan / pattern scan / SD card record / relay output / smart capture / FTP upload / email linkage		
Audio Input	1-ch 3.5 mm microphone /line in interface. Line input: 2-2.4 V[p-p], output impedance:1KΩ ±10%		
Audio Output	Linear level; impedance: 600 Ω		
Communication Interface	Built-in RJ45; 10M/100M Ethernet Interface		
Onboard Storage	Built-in microSD / SDHC / SDXC card slot, up to 64 GB; supports manual / alarm recording		
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface		
Analog Video Output	1.0V [p-p]/75 Ω, PAL / NTSC / BNC		
API	Open-ended API, supports ISAPI; supports HIKVISION SDK and third-party management platforms		
Client	iVMS-4200		
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+; Multiple Languages		
General			
Menu	English		
Power	POE+ (802.3at), 24 VAC, 12 VDC / 3 A, 8 W (22 W with de-icing heater on)		
Work Temperature/Humidity	From -40 °C to 65 °C (-40 °F to 149 °F); Humidity: 90% or Less		
Protection Level	IP66 standard; TVS 6000V lightning protection, surge protection and voltage transient protection		
Weight	14.11 lbs (6.40 kg)		

Range Performance[1]

Standard Range Table	Model					
	DS-2TD2336-50		DS-2TD2336-75		DS-2TD2336-100	
Johnson Criteria	Human	Vehicle	Human	Vehicle	Human	Vehicle
Detection	4,826 ft (1,471 m)	14,797 ft (4,510 m)	7,238 ft (2,206 m)	22,195 ft (6,765 m)	9,649 ft (2,941 m)	29,528 ft (9,000 m)
Recognition	1,207 ft (368 m)	3,698 ft (1,127 m)	1,808 ft (551 m)	5,548 ft (1,691 m)	2,411 ft (735 m)	7,398 ft (2,255 m)
Identification	604 ft (184 m)	1,850 ft (564 m)	906 ft (276 m)	2,776 ft (846 m)	1,207 ft (368 m)	3,698 ft (1,127 m)

Smart Functions Range Table		Model		
Line Cross/Intrusion/Region Entrance-Exit	Object	DS-2TD2336-50	DS-2TD2336-75	DS-2TD2336-100
Optimized to Johnson Criteria (Recognition)	Human	1,207 ft (368 m)	1,808 ft(551 m)	2,411 ft (735 m)
	Vehicle	3,698 ft (1,127 m)	5,548 ft(1,691 m)	7,398 ft (2,255 m)
Temperature Exception	Size of Point	Max Range	Max Range	Max Range
Accuracy at 5 x 5 pixels	2 m x 2 m	3,839 ft (1,170 m)	5,823 ft (1,775 m)	7,677 ft (2,340 m)
	1 m x 1 m	1,936 ft (590 m)	2,903 ft (885 m)	968 ft (3,176 m)
Advanced Fire Detection	Size of Point	Max Range	Max Range	Max Range
Accuracy at 2 x 2 pixels	2 m x 2 m	9,646 ft (2,940 m)	14,469 ft (4,410 m)	19,291 ft (5,880 m)
	1 m x 1 m	4,823 ft (1,470 m)	7,234 ft (2,205 m)	9,646 ft (2,940 m)

HIKVISION

Rev. 032519NA

Dimensions

535 (21. 06")

161 (6. 34")

160 (6. 3")

G 3/4 Threaded Hole

G 3/4 Threaded Hole

75 (2. 95")

4-Ø9(0.35")

469 (18. 46")

400 (15. 75")

171 (6. 73")

HIKVISION®

Rev. 032519NA