

DS-2TD6267T-25H4L/W

Thermographic Thermal & Optical Bi-spectrum Network Positioning System

















Hikvision DS-2TD6267T-25H4L/W Thermographic Thermal & Optical Bi-spectrum Network Positioning System equipped with built-in GPU which supports intelligent perimeter protection algorithm, can realize high-precision VCA detection and realtime alarm. It is applied to fire-prevention purposes in scenes such as transformer substation, recycling center, gas station, factory. The pre-alarm system helps you discover unexpected events immediately and protects your property.

Key Feature

- Powerful perimeter protection functions, based on intelligent algorithm: Line crossing, intrusion, region entrance & exit
- Temperature exception alarm for fire prevention
- Fire detection smoke detection algorithm
- 640 × 512 resolution 17 μ m, VOx UFPA, NETD ≤ 35 mK (25°C, F# = 1.0)
- Image processing technology: Liner, histogram, and self-adaptive thermal AGC mode, DDE, 3D DNR
- Thermal channel supports EIS, conflicted with intelligent function



Specification Thermal Module

Thermal Module				
Image Sensor	VOx Uncooled Focal Plane Arrays			
Resolution	640 × 512			
Pixel Interval	17 μm			
Response Waveband	8 μm to 14 μm			
NETD	Less than 35 mK (@ 25°C,F# = 1.0)			
Focal Length	25 mm			
Focus Mode	Semi-auto & Manual			
IFOV	0.68 mrad			
Aperture	F1.0			
Field of View	24.55° × 19.75° (H × V)			
Min. Focusing Distance	1.5 m			
Digital Zoom	×1, ×2, ×4, ×8			
Optical Module				
Image Sensor	1/1.8" Progressive Scan CMOS			
Resolution	2688 × 1520, 4 MP			
Min. Illumination	Color: 0.0005 Lux @ (F1.5, AGC ON), B/W: 0.0001 Lux @ (F1.5, AGC ON)			
Field of View	Wide: 1.86° × 1.05°; Tele: 66.02° × 40.34°			
Focal Length	6 to 240 mm, 40x			
Aperture (Range)	F1.3 to F4.0			
Focus Mode	Semi-auto/Manual			
Shutter Speed	1.1 s to 1/30,000 s			
WDR	120 dB			
Optical Defog	Yes			
Image Effect				
Picture in Picture	Display partial image of thermal channel on the full screen of optical channel			
Target Coloration	Yes. Supported in white hot and black hot mode.			
PTZ				
Movement Range	vement Range Pan: 360° Continuous Rotate; Tilt: From -90° to + 40° (auto flip)			
Pan Speed	Speed Configurable, From 0.01°/s to 110°/s			
Tilt Speed	Configurable, From 0.01°/s to 50°/s			
Proportional Zoom	Yes			
Presets	300 in total			
Patrol Scan	8; Up to 32 Presets Per Patrol			
Pattern Scan	4; More Than 10 Minutes Per Pattern			
Power Off Memory	Yes			
David	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame			
Park	Scan/Panorama Scan			
PT Status	Turn On/Turn Off			
Schodulad Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame			
Scheduled Task	Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output			
Illuminator				
IR Distance	Up to 200 m			
IR Intensity and Angle	Automatically adjusted			



Smart Function							
Support 4 VCA rule types (Line (rossing, Intrusion, Region Entrance, and Region						
VCA Exiting), up to 10 scenes and 8 V	CA rules for each scene						
Support 3 temperature measure	ment rule types, 273 presets as scene, 21 rules of each						
Temperature Measurement scene (10 points, 10 areas, and	. 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.						
Video and Audio							
Optical channel							
50 Hz: 25 fps (2688 × 1520, 1920) × 1080, 1280 × 960, 1280 × 720)						
Main Stream 60 Hz: 30 fps (2688 × 1520, 1920) × 1080, 1280 × 960, 1280 × 720)						
Thermal channel							
50 fps (1920 × 1080, 1280 × 960	. 1280 × 720, 704 × 576, 640 × 512, 384 × 288)						
Optical channel							
50 Hz: 25 fps (704 × 576, 352 × 2	88)						
Sub-stream 60 Hz: 30 fps (704 × 576, 352 × 2	88)						
Thermal channel							
50 fps (704 × 576, 640 × 512, 38	4 × 288)						
Main stream: H.265+/H.265/H.2	64+/H.264						
Video Compression Sub-stream: H.265/H.264/MJPE	G						
Audio Compression G.711u/G.711a/G.722.1/MP2L2	/G.726/PCM						
Network							
IPv4/IPv6, HTTP, HTTPS, 802.1x,	Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,						
Protocols RTCP, RTP, TCP, UDP, IGMP, ICM	P, DHCP, PPPoE						
MicroSD/SDHC/SDXC card (up to	256 GB) local storage, and NAS (NFS, SMB/CIFS), auto						
Network Storage network replenishment (ANR)							
ISAPI, HIKVISION SDK, third-part	y management platform, Open Network Video						
API Interface (Profile S, Profile G, Pr	ofile T)						
Simultaneous Live View Up to 20 channels							
User/Host level Up to 32 users, 3 levels: Adminis	trator, Operator, User						
User authentication (ID and pas	word), MAC address binding, HTTPS encryption, IEEE						
Security 802.1x access control, IP addres	s filtering						
Client iVMS-4200, Hik-Connect							
Live view (plug-in allowed): Inte	net Explorer 11 Live view (plug-in free): Chrome 57.0						
Web Browser +, Firefox 52.0 + Local service: C	nrome 57.0 +, Firefox 52.0 +						
Interface							
Alarm Input 7-ch inputs (0 to 5 VDC)							
Alarm Output 2-ch relay outputs, alarm respon	se actions configurable						
Alarm Action Preset/Patrol Scan/Pattern Scar	/SD Card Record/Relay Output/Smart capture/FTP						
Alarm Action upload/Email linkage							
1, 3.5 mm Mic in/Line in interfa	te. Line input: 2 to 2.4 V [p-p], output impedance: 1 $K\Omega$						
Audio Input ± 10%							
Audio Output Linear Level; Impedance: 600Ω							
Communication Interface 1, RJ45 10 M/100 M Self-adaptiv	e Ethernet interface.						



Analog Video Output	1.0 V [p-p]/75 Ω , BNC for thermal channel
General	
	32 languages
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,
Web Client Language	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	36 VDC ± 20%, 48 VDC ± 20%, two-core terminal block
Power Consumption	5 A, max. 120 W
Work Temperature/Humidity	From -40°C to 65°C (-40°F to 149°F); Humidity: 95% or Less
Wiper	Yes
Protection Level	IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient
	Protection
Dimension	486.1 mm × 337.6 mm × 450.3 mm (19.14" × 13.29" × 17.73")
Weight	Approx. 20 kg (44.092 lb)



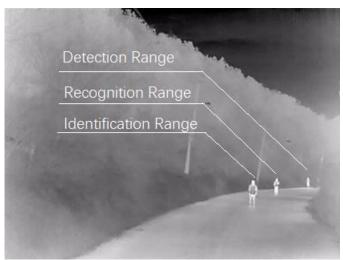
DRI Range Table

- * The table is only for reference and the performance may vary according to different environment.
- * The optimal detection, recognition, and identification distances are calculated according to Johnson's Criteria.

Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.

Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or more pixels.

Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.



Detection	Detection	Recognition	Recognition	Identification	Identification
Range	Range	Range	Range	Range	Range
(Vehicles: 1.4 ×	(Humans: 1.8 ×	(Vehicles: 1.4 ×	(Humans: 1.8 ×	(Vehicles: 1.4 ×	(Humans: 1.8 ×
4.0 m)	0.5 m)	4.0 m)	0.5 m)	4.0 m)	0.5 m)
2255 m	735 m	564 m	184 m	282 m	92 m

Smart Function Table

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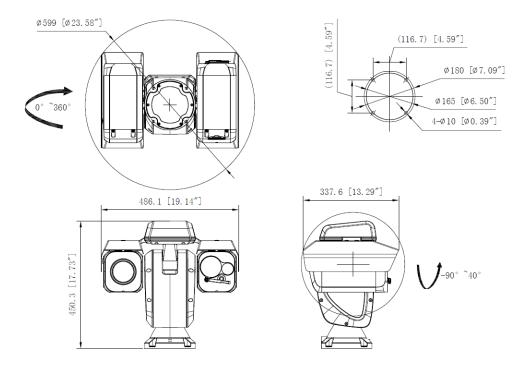
VCA Range	VCA Range	Temperature	Temperature	Fire Detection	Fire Detection
(Vehicles: 1.4 ×	(Humans: 1.8 ×	Measurement	Measurement	(Object: 2 × 2	(Object: 1 × 1
4.0 m)	0.5 m)	(Object: 2 × 2	(Object: 1 × 1	m)	m)
		m)	m)		
525 m	175 m	585 m	295 m	1470 m	735 m

Available Model

DS-2TD6267T-25H4L/W



Dimension



Unit:mm(inch)





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