

# DS-2TD6266-xxxx2L/V2

## Thermal and Optical Bi-Spectrum Network Positioning System

**DeepinView**

Hikvision's DS-2TD6266-xxxx2L/V2 Thermal and Optical Bi-Spectrum Network Positioning System 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 frontier defense occasions, maritime defense occasions, port monitoring, airport perimeter security, and so on. The pre-alarm system helps discover unexpected events immediately and offers protection from property loss.

### Smart Functions (Thermal Imaging)

- Adaptive AGC, DDE, 3D DNR, NETD < 40 mk (@ 25° C, F#=1.0)
- Smart Tracking: Panorama, Event, and Multi-Scene Patrol
- Smart Tracking Linkage: Thermal and Optical Views
- Line Crossing, Intrusion, Region Entrance/Exit
- Temperature Exception Alarm
- Fire Detection Algorithm

### Thermal Imaging Module Functions

- 640\*512 Resolution, High Sensitivity Sensor, Contrast Adjustment
- Shutter Adjustment in Various Modes
- 3D DNR, 15 Adjustable Color Palettes, Image Detail Enhancement

### Available Models

- DS-2TD6266-50H2L/V2: 50 mm lens
- DS-2TD6266-75C2L/V2: 75 mm lens
- DS-2TD6266-100C2L/V2: 100 mm lens



# Specifications

	DS-2TD6266-50H2L/V2	DS-2TD6266-75C2L/V2	DS-2TD6266-100C2L/V2
<b>Thermal Module</b>			
Image Sensor	Vanadium oxide uncooled focal plane arrays		
Maximum Resolution	640 × 512		
Detector Pitch	17 µm		
Response Waveband	8 µm to 14 µm		
NETD	<40 mk (@ 25° C, F# =1.0)		
Lens (Focal Length)	50 mm	75 mm	100 mm
MIRAD	0.34 mrad	0.23 mrad	0.17 mrad
Field of View	12.42° × 9.95°	8.3° × 6.64°	6.23° × 4.98°
Minimum Focusing Distance	7.5 m	8 m	10 m
f/ Number	1.0		
<b>Optical Camera</b>			
Image Sensor	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS	
Minimum Illumination	Color: 0.002 lux @ (f/1.5, AGC on); b/w: 0.0002 lux @ (f/1.5, AGC on)	Color: 0.05 lux @ (f/1.8, AGC on); b/w: 0.01 lux @ (f/1.8, AGC on)	
Focal Length	5.7 to 205.2 mm, 36x	6.7 to 330 mm, 49x	
Digital Zoom	16x		
Field of View	58.7° - 2.0° (wide to tele)	41.3° to 1.2° (wide to tele)	
Minimum Working Distance	10 to 1,500 mm (wide to tele)		
Aperture Range	f/1.5 to f/4.5	f/1.8 to f/6.1	
Focus Mode	Auto/semiautomatic/manual		
WDR	120 dB	Digital	
Shutter Speed	1 to 1/30,000s		
White Balance	Auto/manual/ATW/indoor/outdoor/daylight lamp/sodium lamp		
Day/Night	IR cut filter		
Privacy Mask	24 privacy masks programmable, optional multiple colors and mosaics		
Optical Defog	Yes		
Enhancement	3D DNR		
<b>Smart Functions</b>			
VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), 10 scenes, and 8 VCA rules for each scene		
Temperature Measurement	3 temperature measurement rule types, over 273 presets, and 21 rules (10 points, 10 regions, and 1 line) for each scene		
Temperature Range	-4° to 302° F [-20° to 150° C]		
Temperature Accuracy	±14.4° F (±8° C)		
Fire Detection	Supports 10 fire points		
<b>PTZ</b>			
Movement Range	Pan: 360° continuous rotate; tilt: from -90° to +40° (auto flip)		
Pan Speed	Configurable, from 0.1°/s to 110°/s		
Tilt Speed	Configurable, from 0.1°/s to 50°/s		
Proportional Zoom	Yes		
Presets	300		
Patrol Scan	8, up to 32 presets per patrol		
Pattern Scan	4, more than 10 minutes per pattern		
Power Off Memory	Yes		
Park	Preset/pattern scan/patrol scan/auto scan/tilt scan/random scan/frame scan/panorama scan		
PT Status	Turn on/turn off		
Scheduled Task	Preset/pattern scan/patrol scan/auto scan/tilt scan/random scan/frame scan/panorama scan/dome reboot/dome adjust/aux output		
<b>Infrared</b>			
IR Distance	Up to 1640 ft (500 m)		
IR Intensity and Angle	Auto adjust		
<b>Network</b>			
Main Stream	Optical: 30 fps (1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 × 720); Thermal: 50 fps (640 × 512)		
Sub-Stream	30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120); Thermal: 50 fps (640 × 512)		
Video Compression	H.265+/H.264+/H.265/H.264/MJPEG, 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, 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		
<b>Integration</b>			
Alarm Input	Up to 7-ch relay inputs (0 to 5 VDC)		
Alarm Output	Up to 2-ch relay outputs, supports alarm linkage		
Alarm Action	Preset/patrol scan/pattern scan/SD card record/relay output/smart capture/FTP upload/e-mail linkage		
Audio Input	Line in input/microphone input; peak: from 2 to 2.4 V(p-p); output impedance: 1k Ω ±10%		
Audio Output	Linear level; impedance: 600 Ω		
Communication Interface	Built-in RJ-45; 10M/100M Ethernet Interface		
Onboard Storage	Built-in microSD/SDHC/SDXC card slot, up to 128 GB, supports manual/alarm recording		
Analog Video Output	1.0 V [p-p]/75 Ω, PAL/NTSC/BNC		
RS-485	Half-duplex; HIKVISION, PELCO-P, and PELCO-D self-adaptive		
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		
<b>General</b>			
Menu	English		
Wiper	Yes		
Power	24 VAC, 120 W		
Work Temperature/Humidity	From -40° to 140° F [-40° to 60° C], humidity: 90% or less (non-condensing)		
Protection Level	IP66 standard; TVS 6000 V lightning protection, surge protection, and voltage transient protection		
Dimensions	19.14" × 13.84" × 17.73" [486.1 mm × 351.6 mm × 450.3 mm]		
Weight	41.89 lbs [19 kg]		

## Wide Range Coverage for Different Specifications

**NOTE:** The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm detector pitch.

	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-2TD6266-50H2L/V2	4510 m	1471 m	1127 m	368 m	564 m	184 m
DS-2TD6266-75C2L/V2	6765 m	2206 m	1691 m	551 m	846 m	276 m
DS-2TD6266-100C2L/V2	9020 m	2941 m	2255 m	735 m	1127 m	368 m

## Smart Functions Range Table

**NOTE:** The table below is only for reference, the performance varies from model to model, and the specific data is based on 17 μm detector pitch.

	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-2TD6266-50H2L/V2	1500 m	500 m	1170 m	590 m	2940 m	1470 m
DS-2TD6266-75C2L/V2	2250 m	750 m	1775 m	885 m	4410 m	2205 m
DS-2TD6266-100C2L/V2	3000 m	1000 m	2340 m	1180 m	5880 m	2940 m

## Dimensions

