

DS-2TD2866-xx/V1

Thermal and Optical Bi-Spectrum Network Bullet Camera



- 640 x 512 Thermal/1080p Optical Resolution
- Vanadium Oxide Uncooled Focal Plane Arrays
- 25 mm and 50 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
- Temperature
 - Range: -4° to 302° F (-20° to 150° C)
 - Accuracy: Maximum ±14.4° F (±8° C)
- Integrated De-Icing Heater
- Integrated Bracket and Junction Box
- IP66 Protection
- 24 VAC, 16 W (24 W with De-Icing Heater)

DeepinView

The Hikvision DS-2TD2866-xx/V1 Thermal and Optical Bi-Spectrum Network Bullet Camera uses a vanadium oxide uncooled focal plane sensor to enhance thermal image quality.

The high sensitivity sensor has 640 x 512 thermal/1080p optical 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. Additionally, the 1080p sensor provides a matched field of view for unparalleled detailed images.

This camera 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 camera can be supplied with a 25 mm or 50 mm lens to cover a variety of needs.

Available Models:

DS-2TD2866-25/V1 (25 mm lens) DS-2TD2866-50/V1 (50 mm lens)



















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	DS-2TD2866-25/V1	DS-2TD2866-50/V1			
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Image Sensor	Vanadium oxide uncooled focal plane arrays				
Maximum Resolution	640 x 512				
Detector Pitch					
Response Waveband					
	<40 mk (@ 0.04° C, F#=1.0)				
Lens (Focal Length)		50 mm			
	0.68 mrad	0.34 mrad			
	24.55° x 19.75°	12.42° x 9.95°			
Minimum Focusing Distance		50 m			
f/ Number	1.0				
Optical Module Maximum Image Resolution	1020 v 1090				
	1/2.8" progressive scan CMOS				
	Color: 0.001 lux @ (f/1.2, AGC on), B/W: 0.0001 l	uv @ [f/1 2 AGC on]			
	1s to 1/100,000 s	ux (w (j/ 1.2, Aoc on)			
Lens (Focal Length)		13 mm			
	43° x 25° (H x V)	24° x 13.7° (H x V)			
	120dB	21 X 2017 (11 X 1)			
	IR cut filter with auto switch				
Image Function					
Spectrum Image Fusion	Thermal view can be overlaid with optical chann	el details			
Picture in Picture	Thermal and optical image PIP details can be co	mbined, thermal image overlayed with optical image			
Smart Function					
		on, region entrance, and region exiting), and up to 8 VCA rules for each scene			
		s, and 21 rules (10 points, 10 regions, and 1 line) for each scene			
	-4° to 302° F (-20° to 150° C)				
Temperature Accuracy					
	Dynamic fire point detection, supports up to 10	fire points			
Infrared	Up to 330 ft (100 m)				
IR Intensity and Angle	1				
	Auto aujust				
	Detical, 70 for (1020 v.1000, 1200 v.000, 1200 v.720). Thermal, F0 for (C/10 v.F12)				
Network Main Stream	Ontical: 30 fps (1920 v 1080 1280 v 960 1280 v	720) Thermal: 50 fps (640 v 512)			
Main Stream	Optical: 30 fps (1920 x 1080, 1280 x 960, 1280 x Optical: 30 fps (704 x 480, 352 x 240, 176 x 120).				
Main Stream Sub-Stream	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120),	Thermal: 50 fps (640 x 512)			
Main Stream Sub-Stream Video Compression	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.26	Thermal: 50 fps (640 x 512)			
Main Stream Sub-Stream Video Compression Audio Compression	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG			
Main Stream Sub-Stream Video Compression Audio Compression	Optical: 30 fps [704 x 480, 352 x 240, 176 x 120], H.265+/H.264+ [Baseline/Main/High Profile], H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP,	Thermal: 50 fps (640 x 512)			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View	Optical: 30 fps [704 x 480, 352 x 240, 176 x 120], H.265+/H.264+ [Baseline/Main/High Profile], H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP,	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.3 G.711u/G.711a/G.722.1/MPZL2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.6 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC)	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP users.	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE . user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE . user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Audio Input Audio Output Reset	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MPZL2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP to One 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10%			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Action Audio Input Audio Output Reset Ethernet	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.3 G.711u/G.711a/G.722.1/MPZL2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 \(\Omega\$ One reset button One-port RJ45 10M/100M self-adaptive Etherne	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 12	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM (Pv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 121.0 V[p-p]/75 Ω, NTSC/BNC	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface 3 GB; supports manual/alarm recording			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK,	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface 3 GB; supports manual/alarm recording			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK, IVMS-4200	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPNP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface 3 GB; supports manual/alarm recording			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Action Audio Input Audio Output Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK,	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPNP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface 3 GB; supports manual/alarm recording			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK, IVMS-4200	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage e input: 2-2.4 V[p-p], output impedance: 1 kΩ ± 10% t interface 3 GB; supports manual/alarm recording			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simuttaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General Menu Power	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM (Pv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch (Up to 32 users, 3 levels: administrator, operator (User authentication (ID and PW), MAC address be 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP (Une 3.5 mm microphone in/line in interface. Link Linear level; impedance: 600 Ω (Une reset button (Une port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 (1.0 V[p-p]/75 Ω, NTSC/BNC (Une 120	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage a input: 2-2.4 V(p-p), output impedance: 1 kΩ ± 10% t interface 8 GB; supports manual/alarm recording and third-party management platforms block PoE (802.3at, class 4)			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simuttaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General Menu Power	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM (Pv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch (Up to 32 users, 3 levels: administrator, operator (User authentication (ID and PW), MAC address be 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP (Une 3.5 mm microphone in/line in interface. Link Linear level; impedance: 600 Ω (Une reset button (Une port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 (1.0 V[p-p]/75 Ω, NTSC/BNC (Une 120	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage a input: 2-2.4 V(p-p), output impedance: 1 kΩ ± 10% t interface 8 GB; supports manual/alarm recording and third-party management platforms block PoE (802.3at, class 4)			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Output Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General Menu Power	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM (Pv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch (Up to 32 users, 3 levels: administrator, operator (User authentication (ID and PW), MAC address be 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP (Une 3.5 mm microphone in/line in interface. Link Linear level; impedance: 600 Ω (Une reset button (Une port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 (1.0 V[p-p]/75 Ω, NTSC/BNC (Une 120	Thermal: 50 fps (640 x 512) 265/H.264/MJPEG UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user nding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage a input: 2-2.4 V(p-p), output impedance: 1 kΩ ± 10% t interface 8 GB; supports manual/alarm recording and third-party management platforms block PoE [802.3at, class 4) 16 W (24 W with de-icing heater on), PoE [802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.5 A			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General Menu Power Power Consumption Work Temperature/Humidity Protection Level	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MPZL2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions con SD recording/relay output/smart capture/FTP to One 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 12: 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK, iVMS-4200 IE 9+, Chrome 31-44, Firefox 30-51, Safari 5.02+English 24 VAC ± 25%; 1 A, 12 VDC ± 20%; two-core terminal 24 VAC ± 25%; 1 A, 12 VDC ± 20%; two-core terminal 24 VAC ± 25%; 1 A, 12 VDC ± 20%; 2 A, maximum From -40° F to 140° F [-40° C to 65° C); humidity: IP66 standard; TVS 6000V lightning protection, s	Thermal: 50 fps (640 x 512) 265/H.264/MJPE6 UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user Inding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage a input: 2-2.4 V[p-p], output impedance: 1 k0 ± 10% It interface B GB; supports manual/alarm recording and third-party management platforms block PoE (802.3at, class 4) 16 W (24 W with de-icing heater on), PoE (802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.5 A 90% or less [non-condensing] surge protection, and voltage transient protection			
Main Stream Sub-Stream Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action Audio Input Audio Output Reset Ethernet SD Memory Card Analog Video Output Application Programming Client Web Browser General Menu Power Power Consumption Work Temperature/Humidity Protection Level Dimensions	Optical: 30 fps (704 x 480, 352 x 240, 176 x 120), H.265+/H.264+ (Baseline/Main/High Profile), H.2 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, Up to 20-ch Up to 32 users, 3 levels: administrator, operator User authentication (ID and PW), MAC address b 2-ch inputs (0 to 5 VDC) 2-ch relay outputs, alarm response actions cor SD recording/relay output/smart capture/FTP une 3.5 mm microphone in/line in interface. Lin Linear level; impedance: 600 Ω One reset button One-port RJ45 10M/100M self-adaptive Etherne Built-in microSD/SDHC/SDXC card slot, up to 120 1.0 V[p-p]/75 Ω, NTSC/BNC Open-ended API, supports ISAPI, HIKVISION SDK, iVMS-4200 IE 9+, Chrome 31-44, Firefox 30-51, Safari 5.02+English 24 VAC ± 25%: 1 A, 12 VDC ± 20%; two-core terminal 24 VAC ± 25%: 1 A, 12 VDC ± 20%; two-core terminal 24 VAC ± 25%: 1 A, 12 VDC ± 20%; c A, maximum From -40° F to 140° F (-40° C to 65° C); humidity:	Thermal: 50 fps (640 x 512) 265/H.264/MJPE6 UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE , user Inding, HTTPS encryption, IEEE 802.1x access control, IP address filtering figurable pload/email linkage a input: 2-2.4 V[p-p], output impedance: 1 k0 ± 10% It interface B GB; supports manual/alarm recording and third-party management platforms block PoE (802.3at, class 4) 16 W (24 W with de-icing heater on), PoE (802.3at, class 4): 42.5 V to 57 V, 0.4 A to 0.5 A 90% or less [non-condensing] surge protection, and voltage transient protection			

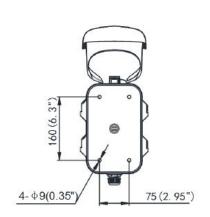


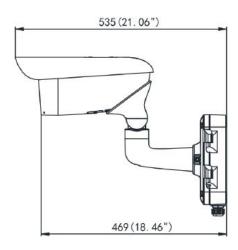
Range Performance¹

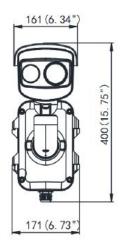
Ctandard Danga Tabla	Model				
Standard Range Table	DS-2TD2866-25/V1		DS-2TD2866-50/V1		
Johnson Criteria	Human	Vehicle	Human	Vehicle	
Detection	2411 ft (735 m)	7400 ft (2255 m)	4826 ft (1471 m)	14797 ft (4510 m)	
Recognition	604 ft (184 m)	1850 ft (564 m)	879 ft (368 m)	3698 ft (1127 m)	
Identification	302 ft (92 m)	925 ft (282 m)	604 ft (184 m)	1850 ft (564 m)	

Smart Functions Range Table		Model		
Line Cross/Intrusion/ Region Entrance-Exit	Object	DS-2TD2866-25/V1	DS-2TD2866-50/V1	
Optimized to Johnson Criteria	Human	820 ft (250 m)	1640 ft (500 m)	
(Recognition)	Vehicle	2460 ft (750 m)	4921 ft (1500 m)	
Temperature Exception	Size of Point	Maximum Range	Maximum Range	
Accuracy at 5 x 5 pixels	2 m x 2 m	1919 ft (585 m)	3838 ft (1170 m)	
	1 m x 1 m	968 ft (295 m)	1936 ft (590 m)	
Advanced Fire Detection	Size of Point	Maximum Range	Maximum Range	
Accuracy at 2 x 2 pixels	2 m x 2 m	4823 ft (1470 m)	9646 ft (2940 m)	
	1 m x 1 m	2411 ft (735 m)	4823 ft (1470 m)	

Dimensions









 $^{^{\}rm 1}\,$ Range performance values are calculated under ideal conditions and are not a guarantee of performance.