

DS-2TD1217-x/V1 Series

Thermal-Optical DeepinView Network Turret Camera



- 160 x 120 Resolution (Upscaled to 320 x 240)
- Vanadium Oxide Uncooled Focal Plane Arrays
- NETD < 40 mK
- 1.8 mm, 3.1 mm, or 6.2 mm Thermal Lens Options
- Adaptive AGC, 3D DNR
- Digital Detail Enhancement
- Smart Features:
- Line Crossing, Intrusion, Region Entrance/Exit with Human and Vehicle Filtering
- Temperature Exception
- Early Warning Fire Prevention
- Advanced Fire Detection
- Cigarette Smoking Detection
- Temperature Range: -4° to 302° F (-20° to 150° C)
- Temperature Accuracy: ±14° F (8° C)
- 15 Pseudo Color Palettes Available
- IP67 Protection
- PoE (802.3af), 12 VDC, Maximum 8 W

The Hikvision DS-2TD1217-x/V1 Thermal-Optical DeepinView Network Turret Cameras are equipped with highly sensitive thermal and optical sensors and a graphical processing unit to run the video content analysis (VCA) algorithms developed by Hikvision's deep learning technology.

Hikvision's HikMicro factory manufactures the vanadium oxide uncooled focal plane array thermal sensor with best in class image quality and price. The sensor's 160 x 120 resolution is upscaled to 320 x 240 and features adaptive AGC (Automatic Gain Control), 3D DNR (Digital Noise Reduction), and Digital Detail Enhancement for outstanding image enhancement. The 2 MP optical sensor provides outstanding color video in very dim environments down to 0.002 lux, and a built-in IR illumination allows black and white optical surveillance in zero-light conditions up to 50 ft (15 m).

This camera series is an excellent solution for short-range outdoor and indoor perimeter detection, fire prevention, predictive maintenance, human smoking detection and other applications. The total cost of ownership for this innovative camera system comes at an unprecedented, low level, due to affordable installation cost and ultra-low thermal-optical camera cost, which is competitive with purely optical cameras.

Available Models:

DS-2TD1217-2/V1 (1.8 mm lens) DS-2TD1217-3/V1 (3.1 mm lens) DS-2TD1217-6/V1 (6.2 mm lens)























Specifications

	D0 0TD1017 0/07	DO 07D1017 7/11	DO 07D1017 0 00			
Th. 114 : 1	DS-2TD1217-2/V1	DS-2TD1217-3/V1	DS-2TD1217-6/V1			
Thermal Module	Vanadium avida (:====!===	AS STREET				
Image sensor Maximum Resolution	Vanadium oxide uncooled focal plan 160 x 120 (output image resolution i					
Detector Pitch		3 JCU A C4UJ				
Response waveband	17 µm					
NETD	8 μm to 14 μm <40 mK (@ 25° C, F#=1.0)					
Lens (focal length)	1.8 mm	3.1 mm	6.2 mm			
IFOV	9.44 mRad	5.48 mRad	2.83 mRad			
Field of View	90° x 66.4°	50° x 37.2°	25° x 18.7°			
Minimum Focusing Distance	0.1 m	0.2 m	0.6 m			
Aperture	f/1.1	0.2 111	0.0 111			
Optical Module	J, 1.1					
Maximum Image Resolution	1920 x 1080					
Image Sensor	1/2.7" Progressive Scan CMOS					
Minimum Illumination	Color: $0.002 \text{ lux } @ (f/1.2, AGC \text{ on}), B$	/W: 0.0002 lux @ $(f/1.2, AGC on)$				
Shutter Speed	ls to 1/100,000s					
Lens (Focal Length)	2.1 mm	4 mm	6 mm			
Field of View	TBD	87° x 46.2°	53° x 30°			
WDR	120 dB		·			
Day/Night	IR cut filter with auto switch					
Image Function						
Bi-Spectrum Image Fusion	Fusion view of thermal view and ove	rlaid details of the optical channel				
Picture in Picture	Combines details of thermal and opt	tical image PiP, overlay, and thermal image on (pptical image			
Smart Function						
VCA	Supports 4 VCA rule types (line cross	sing, intrusion, region entrance, and region exi	ing), 8 VCA rules			
Temperature Measurement	Supports 3 temperature measurement rule types, 21 rules (10 points, 10 regions, and 1 line)					
Temperature Range	-4° to 302° F (-20° to 150° C)					
Temperature Accuracy	±8° C (14.4° F)					
Fire Detection	Dynamic fire point detection, up to 1	10 fire points detectable				
Infrared	50.61 (15)					
IR Distance	50 ft (15 m)					
IR Intensity and Angle	Automatically adjusted					
Network Main Stream	Visible light 70 fee (1000 - 1000) 70	2 fpc (1200 000) 70 fpc (1200 720) Thermal	25 fpc (100 120 (the resolution of output image is 720 2			
Sub-Stream			$25 \text{ fps } (160 \times 120 \text{ (the resolution of output image is } 320 \times 20 \text{ (the resolution of output image is } 720 \tau 200)}$			
Sub-Stream	Visible light: 30 fps (704 × 480), 30 fps (640 × 480), Thermal: 25 fps (160 × 120 (the resolution of output image is 320 × 240))					
	U 265 /U 26/1/MIDEC U 265 1 /U 26/11					
Video Compression		encoding with baseline/main/high profile				
Video Compression Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.7	encoding with baseline/main/high profile 26/PCM	SMTP SNMP IGMP 802 1X 0os IPV6 IIDP Ronigur			
Video Compression Audio Compression Protocols	G .711u/G.711a/G.722.1/MP2L2/G.73 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF	encoding with baseline/main/high profile 26/PCM	P, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour			
Video Compression Audio Compression Protocols Simultaneous Live View	G .711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl	P, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour			
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level	G .711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user				
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures	G .711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl				
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level	G .711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user				
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration	G .711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAC	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802.				
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input	G .711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC)	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPNI or, operator, user C address binding, HTTPS encryption, IEEE 802.				
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output	G.711u/G.711a/G.722.1/MP2L2/G.73 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPNI or, operator, user C address binding, HTTPS encryption, IEEE 802.	Lx access control, IP address filtering			
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Alarm Action	G.711u/G.711a/G.722.1/MP2L2/G.73 TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPNI or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage	Lx access control, IP address filtering			
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Output Audio Input Audio Output Reset	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCf Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAi 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe	Lx access control, IP address filtering			
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 Communication Interface	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCI Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adaptir	encoding with baseline/main/high profile 26/PCM P. DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface	Lx access control, IP address filtering $\label{eq:lx} \mbox{dance:1k}\Omega\pm 10\%$			
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 Communication Interface Onboard Storage	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCI Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe	Lx access control, IP address filtering $\label{eq:lx} \mbox{dance:1k}\Omega\pm 10\%$			
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 Communication Interface Onboard Storage Analog Video Output	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe we Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record	Jance:1k Ω ±10%			
Video Compression Audio Compression Protocols Simultaneous Live View User/Host Level Security Measures Integration Alarm Input Alarm Action Audio Input Audio Output Reset Communication Interface Onboard Storage Analog Video Output	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card st 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC Open-ended API, supports ISAPI; sug	encoding with baseline/main/high profile 26/PCM P. DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnl or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCI Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microsD/SDHC/SDXC card sl 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnior, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card st 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC Open-ended API, supports ISAPI; sug	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnior, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 fl One reset button 1-port RJ-45 10M/100M Self-adaptir Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 fl, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnior, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCI Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to	encoding with baseline/main/high profile 26/PCM P. DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. Ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ove Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record oports HIKVISION SDK and third-party managements.	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu Power	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCI Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 Ω One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 Ω, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to English 12 VDC ±20%, two-core terminal blo	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe or, up to 256 GB; supports manual/alarm record poorts HIKVISION SDK and third-party managements. Safari 5.02+ ck, PoE [802.3at, class 4]	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu Power	G.711u/G.711a/G.722.1/MP2L2/G.7: TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCf Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone / line in int Linear level; impedance: 600 \(\Omega\$ One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 \(\Omega\$, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to English 12 VDC ±20%; two-core terminal blo 12 VDC ±20%; 0.7 A, maximum 8 W, F	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe or, up to 256 GB; supports manual/alarm record poorts HIKVISION SDK and third-party managements. S1, Safari 5.02+ ck, PoE (802.3at, class 4) DE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0	Jance:1k Ω ±10%			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu Power Power Consumption Work Temperature/Humidity	G.711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCf Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 0 One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 D, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to English 12 VDC ±20%; two-core terminal blo 12 VDC ±20%: 0.7 A, maximum 8 W, From -22° to 140° F [-30° to 60° Cl, 9	encoding with baseline/main/high profile 26/PCM P, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable epture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ove Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record oports HIKVISION SDK and third-party managements. S1, Safari 5.02+ ck, PoE (802.3at, class 4) POE (802.3at, class 3): 42.5 V to 57 V, 0.14 A to 0 5% or Less	dance:1k \O ±10% ding ent platforms 22 A, maximum 8.5 W			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu Power Power Consumption Work Temperature/Humidity Protection Level	G.711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCF Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 \(\Omega\$ One reset button 1-port R3-45 10M/100M Self-adaptir Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 \(\Omega\$, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to English 12 VDC ±20%: 0.7 A, maximum 8 W, From -22° to 140° F [-33° to 60° C], 9 IP67 standard; TVS 6000V lightning p	encoding with baseline/main/high profile 26/PCM P. DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record oports HIKVISION SDK and third-party managements. Safari 5.02+ ck, PoE (802.3at, class 4) PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0 5% or Less protection, surge protection, and voltage trans	dance:1k \O ±10% ding ent platforms 22 A, maximum 8.5 W			
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 Communication Interface Onboard Storage Analog Video Output API Client Web Browser General Menu Power Power Consumption Work Temperature/Humidity	G.711u/G.711a/G.722.1/MP2L2/G.7; TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCf Up to 20-ch Up to 32 users, 3 levels: administrat User authentication (ID and PW), MAI 1-ch input (0 to 5 VDC) 1-ch relay output, alarm response a SD recording/relay output/smart ca 1-ch 3.5 mm microphone /line in int Linear level; impedance: 600 0 One reset button 1-port RJ-45 10M/100M Self-adapti Built-in microSD/SDHC/SDXC card sl 1.0 V [p-p]/75 D, PAL/NTSC/BNC Open-ended API, supports ISAPI; sup iVMS-4200 IE 9+, Chrome 31 to 44, Firefox 30 to English 12 VDC ±20%; two-core terminal blo 12 VDC ±20%: 0.7 A, maximum 8 W, From -22° to 140° F [-30° to 60° Cl, 9	encoding with baseline/main/high profile 26/PCM P. DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPni or, operator, user C address binding, HTTPS encryption, IEEE 802. ctions configurable pture/FTP upload/email linkage erface. Line input: 2 to 2.4 V[p-p], output impe ve Ethernet interface, 1 RS-485 interface ot, up to 256 GB; supports manual/alarm record oports HIKVISION SDK and third-party managements. Safari 5.02+ ck, PoE (802.3at, class 4) PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0 5% or Less protection, surge protection, and voltage trans	dance:1k \O ±10% ding ent platforms 22 A, maximum 8.5 W			

$\underline{\mathsf{Range}\;\mathsf{Performance}^1}$

Standard Range	Model						
Table	DS-2TD1217-2/V1		DS-2TD1217-3/V1		DS-2TD1217-6/V1		
Johnson Criteria	Human	Vehicle	Human	Vehicle	Human	Vehicle	
Detection	174 ft	531 ft	298 ft	919 ft	597 ft	1834 ft	
	(53 m)	(162 m)	(91 m)	(280 m)	(182 m)	(559 m)	
Recognition	43 ft	135 ft	75 ft	230 ft	151 ft	459 ft	
	(13 m)	(41 m)	(23 m)	(70 m)	(46 m)	(140 m)	
Identification	23 ft	66 ft	36 ft	114 ft	75 ft	230 ft	
	(7 m)	(20 m)	(11 m)	(35 m)	(23 m)	(70 m)	

¹ Range performance values are calculated under ideal conditions and are not a guarantee of performance.

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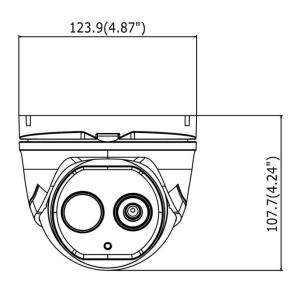
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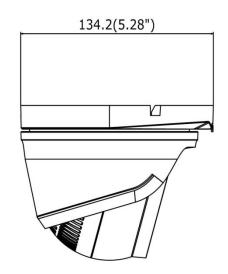
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Smart Functions Range Table	Model				
Line Cross/Intrusion/Region Entrance-Exit	Object	DS-2TD1217-2/V1	DS-2TD1217-3/V1	DS-2TD1217-6/V1	
Optimized to Johnson Criteria	Human	46 ft (14 m)	69 ft (21 m)	138 ft (42 m)	
(Recognition)	Vehicle	138 ft (42 m)	207 ft (63 m)	413 ft (126 m)	
Temperature Exception	Size of Point	Max Range	Max Range	Max Range	
Accuracy at 5 x 5 pixels	2 m x 2 m	144 ft (44 m)	217 ft (66 m)	434 ft (132 m)	
	1 m x 1 m	72 ft (22 m)	108 ft (33 m)	217 ft (66 m)	
Advanced Fire Detection	Size of Point	Max Range	Max Range	Max Range	
Accuracy at 2 x 2 pixels	2 m x 2 m	591 ft (108 m)	591 ft (180 m)	1181 ft (360 m)	
	1 m x 1 m	354 ft (54 m)	295 ft (90 m)	591 ft (180 m)	

Dimensions





Units: mm (inch)

Accessories



