

DS-2TD2137-7/PY Anti-corrosion Thermal Network Bullet Camera

DeepinView





Hikvision DS-2TD2137-7/PY Anti-corrosion Thermal Network Bullet Camera is applied to perimeter defense and fire-prevention purposes in scenes such as: port, dock, island, tunnel, humid environment, and so on. With the vanadium oxide uncooled focal plane sensor, it enhances the thermal image quality. The coating technology can meet the use requirements in anti-corrosion environment.

Key Feature

- Behavior analysis function, based on deep learning algorithm: line crossing, intrusion, region entrance and exit
- Temperature exception alarm for fire prevention
- Fire detection algorithm
- 384 × 288 resolution 17 μ m, VOx UFPA, NETD \leq 35 mK (25 °C, F# = 1.0)
- Image processing technology: Linear, histogram, and self-adaptive thermal AGC mode, DDE, 3D DNR
- NEMA-4X Standard





Specification

Image Sensor Vanadium Oxide Uncooled Focal Plane Arrays Resolution 384 × 288 Pixel Interval 77 µm Response Waveband 8 µm to 14 µm NETD 35 mK (@25°C,F#=1.0) Focal Length 6.5 mm IFOV 2.62 mrad Aperture F1.0 Field of View 60° × 44.1° (H × V) Min. Focusing Distance 0.6m Digital Zoom ×2, 24, x8 Image Effect Target Coloration Yes. Supported in white hot and black hot mode. Smart Function VCA 2 to Supported in white hot and black hot mode. Smart Function VCA 2 to Supported in white hot and black hot mode. Temperature Measurement 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line). Temperature Accuracy 2 to 8°C (214.4°F) 302°F) Temperature Accuracy 2 to 8°C (214.4°F) Fire Detection yonamic fire detection, up to 10 fire points detectable. Video and Audio Wideo and Audio Wideo and Audio Main Stream 25 fps (1280 × 720, 704 × 576, 384 × 288, 352 × 288) Sub-stream 25 fps (1280 × 720, 704 × 576, 384 × 288, 352 × 288) Video Compression 3 G.711u/G.721a/G.722.1/MP2L2/G.726/PCM Metwork Protocols Protocols 1Ps/4/Pv6, HTTP, HTTPS, 802.1x, Qos., FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTD, TCP, UDP, IGMP, ICMP, DHCP, PPPDE microsofy ShDr/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) API SiAPl, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 32 users, 3 levels: Administrator, Operator, User User /Host level Up to 32 users, 3 levels: Administrator, Operator, User User Audies Colinical Clina and PWM, MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering Client IVMS-4200, Hik-Connect	Thermal						
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Video CompressionMain stream: H.265+/H.265/H.264+/ H.264 Sub-stream: H.265/H.264/MJPEGAudio CompressionG.711u/G.711a/G.722.1/MP2L2/G.726/PCMNetworkProtocolsIPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoENetwork StoragemicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)APIISAPI, HIKVISION SDK, third-party management platform, open network video interfaceSimultaneous Live ViewUp to 20 channelsUser/Host levelUp to 32 users, 3 levels: Administrator, Operator, UserSecurityUser authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Sub-stream	25 fps (704 × 576, 384× 288, 352 × 288)					
Video CompressionMain stream: H.265+/H.265/H.264+/ H.264 Sub-stream: H.265/H.264/MJPEGAudio CompressionG.711u/G.711a/G.722.1/MP2L2/G.726/PCMNetworkProtocolsIPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoENetwork StoragemicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)APIISAPI, HIKVISION SDK, third-party management platform, open network video interfaceSimultaneous Live ViewUp to 20 channelsUser/Host levelUp to 32 users, 3 levels: Administrator, Operator, UserSecurityUser authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Third Stream	25 fps (1280 × 720, 704 × 576, 384× 288, 352 × 288)					
Audio Compression G .711u/G.711a/G.722.1/MP2L2/G.726/PCM Network Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE Metwork Storage microSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) API ISAPI, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering							
Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE microSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) ISAPI, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Video Compression	Sub-stream: H.265/H.264/MJPEG					
Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS,NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE microSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) ISAPI, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Audio Compression	G .711u/G.711a/G.722.1/MP2L2/G.726/PCM					
Protocols RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE microSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) API ISAPI, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	·						
Network Storage network replenishment (ANR) ISAPI, HIKVISION SDK, third-party management platform, open network video interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Protocols						
API interface Simultaneous Live View Up to 20 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User Security User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Network Storage						
User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	API						
Security User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering	Simultaneous Live View	Up to 20 channels					
Security access control, IP address filtering	User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User					
Client iVMS-4200, Hik-Connect	Security						
	Client	iVMS-4200, Hik-Connect					



	Live view (plug-in allowed) : Internet Explorer 11					
Web Browser	Live view (plug-in free): Chrome 57.0 +, Firefox 52.0 +					
	Local service : Chrome 57.0+, Firefox 52.0 +					
Interface						
Alarm Input	2-ch inputs (0-5 VDC)					
Alarm Output	2-ch relay outputs, alarm response actions configurable					
Alarm Action	SD card record/relay output/smart capture/FTP upload/email linkage					
Audia Innut	1, 3.5 mm Mic in/Line in interface.					
Audio Input	Line input: 2-2.4 V [p-p], output impedance: 1 K Ω ± 10%					
Audio Output	Linear Level; Impedance: $600~\Omega$					
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface.					
Communication interface	1, RS-485 interface					
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	12 VDC ± 20%, two-core terminal block					
	PoE (802.3af, class 3)					
Power Consumption	12 VDC ± 20%: 0.4 A, max. 4.5 W					
	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, max. 5 W					
Mark Tamparatura / Lumidit	-40 °C to 65 °C (-40 °F to 149 °F)					
Work Temperature/Humidity	95% or less					
Protection Level	IP67 Standard					
Protection Level	TVS 6000 V lightning protection, surge protection, voltage transient protection					
Dimension	351.3 mm × 113.5 mm × 115.2 mm (13.83" × 4.47" × 4.53")					
Weight	Approx. 1.77 kg (3.90 lb)					



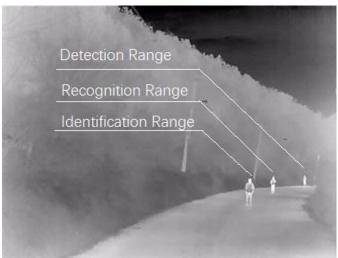
DRI Range Table

- * The table is only for reference and the performance may vary according to different environment.
- * The optimal human 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 Range	Detection Range	Recognition	Recognition	Identification	Identification
(Vehicles: 1.4 ×	(Humans: 1.8 ×	Range (Vehicles:	Range (Humans:	Range (Vehicles:	Range (Humans:
4.0 m)	0.5 m)	1.4 × 4.0 m)	1.8 × 0.5 m)	1.4 × 4.0 m)	1.8 × 0.5 m)

Smart Function Table

• * The table is only for reference and the performance may vary according to different environment.

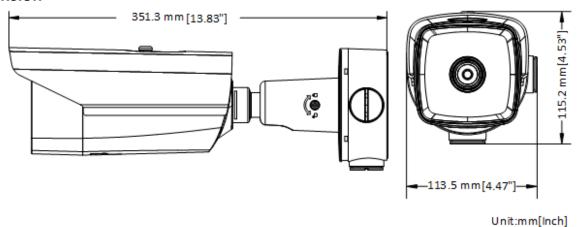
VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Humans: 1.8 × 0.5 m)	Temperature Measurement (Object: 2 × 2 m)	Temperature Measurement (Object: 1 × 1 m)	Fire Detection (Object: 2 × 2 m)	Fire Detection (Object: 1 × 1 m)
134 m	48 m	164 m	83 m	412 m	206 m

Available Model

DS-2TD2137-7/PY



Dimension



Accessory





COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



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