

DS-2TD2138-7/QY Anti-Corrosion Thermal Network Bullet Camera



Hikvision DS-2TD2138-7/QY Anti-Corrosion Thermal Network Bullet Camera is applied to perimeter defense and fire-prevention purposes in critical infrastructures such as airport, railway, prison, power station, 4S stores, and so on. With the vanadium oxide uncooled focal plane sensor, it enhances the thermal image quality. It adopts anti-corrosion coating to meet the requirements of used in anti-corrosion environment.

- Key Feature
- 384 × 288 resolution, 12 μm, VOx UFPA, NETD < 35 mK (25°C, F1.0)</li>
- Temperature exception alarm for fire prevention, -20°C to 150°C (-4°F to 302°F), ± 8°C (± 14.4°F)
- Image processing technology: linear, histogram, self-adaptive thermal AGC mode, DDE, 3D DNR
- Behavior analysis function, based on deep learning algorithm: line crossing, intrusion, region entrance & exit
- High quality detector with 10 years guarantee





Thermal Module					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Resolution	384 × 288				
Pixel Pitch	12 μm				
Spectral Range	8 μm to 14 μm				
NETD	< 35 mK (25°C, F1.0)				
Focal Length	6.5 mm				
FOV	1.85 mrad				
Field of View	42.0° × 32.0° (H × V)				
Min. Focusing Distance	0.6 m				
Aperture	F1.1				
Digital Zoom	2×, 4×, 8×				
Image Effect					
Target Coloration	Yes. Supported in white hot and black hot mode.				
Smart Function					
	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8				
VCA	VCA rules in total				
	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1				
Temperature Measurement	line)				
Temperature Range	-20°C to 150°C (-4°F to 302°F)				
Temperature Accuracy	± 8°C (± 14.4°F)				
Video and Audio					
Main Stream	25 fps (1280 × 720, 704 × 576, 640 × 512, 352 × 288)				
Sub-stream	25 fps (704 × 576, 640 × 512, 352 × 288)				
Third Stream	25 fps (1280 × 720, 704 × 576, 640 × 512, 352 × 288)				
	Main Stream: H.265/H.264				
Video Compression	Sub-Stream: H.265/H.264/MJPEG				
·	Third Stream: H.265/H.264/MJPEG				
Audio Compression	G.722.1/G.711ulaw/G.711alaw/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, SRTP, SFTP				
	ISAPI, HIKVISION SDK, and third-party management platform, Open Network Video				
API	Interface (Profile S, Profile G)				
<b>a</b> 1.	User authentication (ID and password), MAC address binding, HTTPS encryption, IEEE				
Security	802.1x (EAP-MD5, EAP-TLS), access control, IP address filtering				
Simultaneous Live View	Up to 20 channels				
Client	iVMS-4200, Hik-Connect				
Web Browser	Live view (plug-in allowed): Internet Explorer 11				
	Live view (plug-in free): Chrome 57.0 +, Firefox 52.0 +				
	Local service: Chrome 57.0 +, Firefox 52.0 +				
	MicroSD/SDHC/SDXC card (up to 256 GB) local storage, and NAS (NFS, SMB/CIFS), auto				
Network Storage	network replenishment (ANR)				
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User				



Interface				
Analog Output	1.0 V [p-p]/75 Ω, PAL/NTSC/BNC			
Alarm Input	2, alarm input (0 to 5 VDC)			
Alarm Output	2, alarm output (alarm response actions configurable)			
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage			
Audio Input	1, 3.5 mm Mic in/Line in interface			
	Line input: 2 to 2.4 V [p-p], output impedance: 1 K $\Omega$ $\pm$ 10%			
Audio Output	Linear level, impedance: 600 $\Omega$			
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface			
	1, RS-485 interface (half duplex)			
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 Supply	24 VAC ± 25%, 12 VDC ± 25%, two-core terminal block			
rower supply	PoE (802.3af, class 3)			
	24 VAC ± 25%: 0.13 A to 0.22 A, Max. 5 W			
Power Consumption	12 VDC ± 25%: 0.37 A to 0.61 A, Max. 5 W			
	PoE (802.3af, class 3): 44 V to 57 V: 0.1 A to 0.13 A, Max. 5.5 W			
Working Temperature/Humidity	Temperature: -40 °C to 65 °C (-40 °F to 149 °F)			
working remperature/framility	Humidity: 90% or less			
Protection Level	IP67 Standard			
	TVS 6000V lightning protection, surge protection, voltage transient protection			
Dimensions	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 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 (Vehicles: 1.4 ×	Detection Range (Humans: 1.8 ×	Recognition Range (Vehicles:	Recognition Range (Humans:	Identification Range (Vehicles:	Identification 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)
831 m	271 m	208 m	68 m	104 m	34 m

## **Smart Function Table**

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

VCA Range (Vehicles: 1.4 ×	VCA Range (Humans: 1.8 ×	Temperature Measurement	Temperature Measurement
4.0 m)	0.5 m)	(Object: 1 × 1 m)	(Object: 0.2 × 0.2 m)
195 m	65 m	108 m	21 m

Available Model

DS-2TD2138-7/QY



Dimension



## Accessory

### Included



DS-1260ZJ Junction Box

Optional



DS-1276ZJ-SUS Corner Mount DS-1275ZJ-S-SUS Vertical Pole Mount

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