

DS-2TD2628-10/QA

Thermal & Optical Bi-spectrum Network Bullet Camera





Hikvision DS-2TD2628-10/QA Thermal & Optical Bi-spectrum Network Bullet Camera supports video analysis for perimeter protection, and also temperature exception alarm for early fire prevention. With the deep learning algorithm, it can realize high precision VCA detection and real-time alarm. These camera series can be widely applied to villas, communities, parking lots, warehouses, construction sites, waste incineration plants, manufacturing workshops, etc

Key Feature

- 256 × 192 resolution, 12 μm, VOx UFPA, NETD < 40 mK (25°C, F1.0)
- Video content analysis: vehicle/human classification
- 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
- High quality detector with 10 years guarantee





Specification

Thermal Module					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Resolution	256 × 192				
Pixel Pitch	12 μm				
Spectral Range	8 μm to 14 μm				
NETD	< 40 mK (25°C, F1.0)				
Focal Length	9.7 mm				
IFOV	1.24 mrad				
Field of View	18.0° (H) × 13.5° (V)				
Min. Focusing Distance 3.5 m					
Aperture	F1.0				
Digital Zoom	×2, ×4				
Optical Module					
Image Sensor	1/2.7" Progressive Scan CMOS				
Resolution	2688 × 1520				
Min. Illumination Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC					
Shutter Speed	1 s to 1/100,000 s				
Focal Length 8.0 mm					
Field of View 39.4° (H) × 22.1° (V)					
Aperture (Range)	F1.6				
WDR 120 dB					
Image Effect					
Target Coloration	Yes. Supported in white hot and black hot mode.				
Illuminator					
IR Distance	Up to 30 m				
IR Intensity and Angle	Automatically adjusted				
Audible and Visual Alarm					
White Light Range	Up to 30 m				
Visual Alarm	Yes. White light alarm with adjustable flashing frequencies				
	Yes, for two types of audible alarm (VCA and Temperature Exception)				
Audio alarm	2 preset voice alerts (one for each)				
	6 importable user-defined voice alerts (6 options shared in the two types)				
Smart Function					
	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8				
VCA	VCA rules in total.				
Tanana anakan M	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	emperature Accuracy ± 8°C (± 14.4°F)				



Video and Audio	
	Thermal:
	25 fps (1280 × 720, 704 × 576, 640 × 512, 320 × 240)
Main Stream	Optical:
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	Thermal:
	25 fps (704 × 576, 640 × 512, 320 × 240)
Sub-stream	Optical:
	50 Hz: 25 fps (704 × 576, 352 × 288)
	60 Hz: 30 fps (704 × 480, 352 × 240)
	Main Stream: H.265/H.264
Video Compression	Sub-Stream: H.265/H.264/MJPEG
Audio Compression	G.722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM
Network	G.722.1/G.711ulaw/G.711alaw/Wii 212/G.720/1 GW
INCLINOIR	IDVA/IDVA HTTD HTTDS 903 1v Ook ETD SMITD LIDAD SMAD DAIS DONIS NITD DTSD DTSD D
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,R TP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour,SFTP,SRTP
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto
	Network Replenishment (ANR)
API	ISAPI, HIKVISION SDK, and third-party management platform, Open Network Video
	Interface (Profile S, Profile G)
Simultaneous Live View	Up to 20 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and Password), MAC address binding, HTTPS encryption, IEEE
	802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering
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, 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
Adia Immb	1, 3.5 mm Mic in/Line in interface
Audio Input	Line input: 2 to 2.4 V [p-p], output impedance: 1 K Ω ± 10%
Audio Output	Linear level, impedance: $600~\Omega$
Communication is a fine from	1, RJ45 10 M/100 M Self-adaptive Ethernet interface.
Communication Interface	1, RS-485 interface (half duplex)
Analog Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC
General	
	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,
Web Client Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,
	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
	12 VDC ± 25%, φ 5.5 mm coaxial power plug
Power Supply	PoE (802.3af, class 3)



Power Consumption	12 VDC ± 25%: 0.5 A, Max. 6 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, Max. 6.5 W
Working Temperature/Humidity	Temperature: -40°C to 65°C (-40°F to 149°F) Humidity: 95% or less
Protection Level	IP67 Standard TVS 6000V lightning protection, surge protection, voltage transient protection
Dimensions	321.3 mm × 106.1 mm × 107.0 mm (12.65" × 4.18" × 4.21")
Weight	1550 g (3.41 lb)



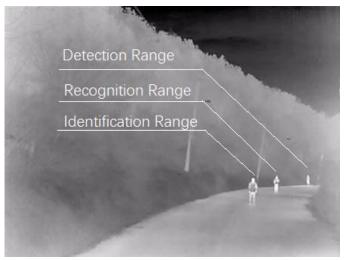
DRI Range Table

- * 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	Detection Range	Recognition	Recognition	Identification	Identification
(Humans: 1.8 ×	(Vehicles: 1.4 ×	Range (Humans:	Range (Vehicles:	Range (Humans:	Range (Vehicles:
0.5 m)	4.0 m)	1.8 × 0.5 m)	1.4 × 4.0 m)	1.8 × 0.5 m)	1.4 × 4.0 m)

Smart Function Table

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

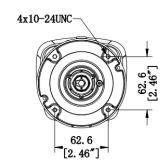
VCA Range (Humans: 1.8 ×	VCA Range (Vehicles: 1.4 ×	Temperature Measurement	Temperature Measurement
0.5 m)	4.0 m)	(Object: 1 × 1 m)	(Object: 0.2 × 0.2 m)
77.6 m	203.7 m	161.7 m	32.3 m

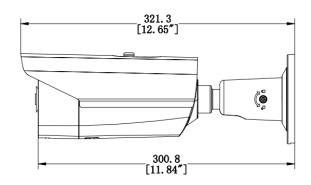
Available Model

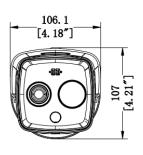
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Dimension







Unit: mm [Inch]

Accessory

Included



DS-1260ZJ Junction Box

Optional



DS-1276ZJ-SUS Corner Mount



DS-1275ZJ-S-SUS Vertical Pole Mount

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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