

## DS-2TD2637-35/QY(B) **Anti-corrosion Bi-spectrum Bullet Camera**















Hikvision DS-2TD2637-35/QY Anti-corrosion Bi-spectrum Network Bullet Camera is applied to perimeter protection 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**

- $384 \times 288$  resolution, 17  $\mu$ m, VOx UFPA, NETD < 35 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)
- Smoking detection Algorithm
- 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	384 × 288			
Pixel Pitch	17 μm			
Spectral Range	8 μm to 14 μm			
Focal Length	35 mm			
IFOV	0.49 mrad			
Aperture	F1.0			
Field of View	10.7° × 8° (H × V)			
Min. Focusing Distance	30 m			
Digital Zoom	× 2, × 4			
Optical Module				
Image Sensor	1/2.7" Progressive Scan CMOS			
Resolution	2688 × 1520			
Min. Illumination	0.0089Lux @(F1.6, AGC ON), 0 Lux with IR			
Field of View	25.25° × 14.44° (H × V)			
Focal Length	12 mm			
Shutter Speed	1 s to 1/100,000 s			
White Delega	MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light			
White Balance	Lamp/Natural Light			
Day & Night Mode	IR Cut Filter with Auto Switch			
WDR	120 dB			
Aperture	F1.6			
Image Effect				
Bi-spectrum Image Fusion	Display the details of optical channel on thermal channel			
Picture in Picture	Display partial image of thermal channel on the full screen of optical channel			
Target Coloration	Yes. Supported in white hot and black hot mode.			
Illuminator				
IR Distance	Up to 100 m			
IR Intensity and Angle	Automatically adjusted			
Smart Function				
VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8			
VCA	VCA rules in total.			
Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1			
remperature weasurement	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	Optical channel			
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)			
	60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)			
	Thermal channel			
	25 fps (1280 × 720P, 704 × 576, 352 × 288, 384 × 288)			



	Ontical channel		
	Optical channel		
	50 Hz: 25 fps (704 × 576, 352 × 288)		
Sub-stream	60 Hz: 30 fps (704 × 480, 352 × 240) Thermal channel		
	25 fps (704 × 576, 352 × 288, 384 × 288)		
Video Compression	Main Stream: H.265/H.264		
A II 6	Sub-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,TP,Bonjour,SFTP,SRTP		
Network Storage	MicroSD/SDHC/SDXC card (up to 256 GB) 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		
Security	802.1x access control, IP address filtering		
Client	iVMS-4200, Hik-Connect		
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		
	1, 3.5 mm Mic in/Line in interface		
Audio Input	Line input: 2 to 2.4 V [p-p], output impedance: 1 K $\Omega$ ± 10%		
Audio Output	Linear level, impedance: $600 \Omega$		
	1, RJ45 10 M/100 M Self-adaptive Ethernet interface.		
Communication Interface	1, RS-485 interface (half duplex)		
Analog Output	1.0 V [p-p]/75Ω, PAL/NTSC/BNC		
General	2.0 · ([P P]] · · · · · / · · · · · · · · · · · · ·		
Ceneral	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,		
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,		
Menu Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,		
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)		
Power Supply	24 VAC ± 25%, 12 VDC ± 25%,24VDC two-core terminal block		
	PoE (802.3af, class 3)		
Power Consumption	24 VAC ± 25%: 0.8 A to 0.5 A, Max. 9.5 W		
	12 VDC ± 25%: 0.63 A to 1.06 A, Max. 9 W		
	24VDC: 0.4 A, Max 9.5 W		
	PoE (802.3af, class 3): 36 V to 57 V, 0.28 A to 0.17 A, Max. 10 W		
Working Temperature/Humidity	Temperature: -40°C to 65°C (-40°F to 149°F)		
· · · · · · · · · · · · · · · · · · ·	Humidity: 95% or less		
Protection Level	IP67 Standard		
	TVS 4000V lightning protection, surge protection, voltage transient protection		
Dimensions	376.1 mm × 119.1 mm × 118.1 mm (14.81" × 4.68" × 4.65")		



Weight 1.82 kg (4.01 lb)



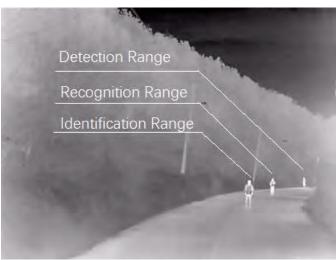
### **DRI Range Table**

- \* 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.



<b>Detection Range</b>	<b>Detection Range</b>	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)
3157 m	1029 m	789 m	257 m	395 m	129 m

#### **Smart Function Table**

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

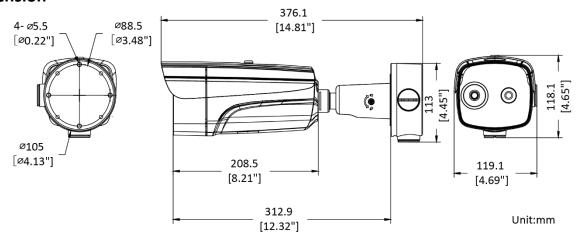
VCA Range (Vehicles: 1.4 ×	VCA Range (Humans: 1.8 ×	<b>Temperature Measurement</b>	Temperature Measurement
4.0 m)	0.5 m)	(Object: 0.2 × 0.2 m)	(Object: 1 × 1 m)
735 m	245 m	82.4 m	412 m

#### Available Model

DS-2TD2637-35/QY(B)



#### Dimension



#### Accessory

#### Included



DS-1260ZJ-AC#SA Junction box

#### Optional



DS-1276ZJ-SUS Corner Mount



DS-1275ZJ-S-SUS Vertical Pole Mount

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