

DS-2TD2617-10/QA Thermographic Network Bullet Camera





Hikvision DS-2TD2617-10/QA Thermographic Network Bullet Camera can be applied to substations, hydropower stations, waste incineration plants, manufacturing workshops, etc. The accurate temperature measurement device sends temperature exception alarms for loss prevention.

Key Feature

- 160 × 120 resolution, 17 μm, VOx UFPA, NETD < 40 mK (25 °C, F# = 1.1)</p>
- High accuracy temperature exception alarm, 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





Specification Thermal Module

Thermal Module					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Resolution	160 × 120				
Pixel Pitch	17 μm				
Spectral Range	8 μm to 14 μm				
NETD	< 40 mK (@ 25 °C, F# = 1.1)				
Focal Length	9.7 mm				
IFOV	1.75 mrad				
Field of View	15.96° × 12.00° (H × V)				
Min. Focusing Distance	1.2 m				
Aperture	F1.1				
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 ON)				
Shutter Speed	1s to 1/100,000s				
Focal Length	8 mm				
Field of View	39.42° × 22.14° (H × 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 40 m				
IR Intensity and Angle	Automatically adjusted				
Audible and Visual Alarm					
White Light Range	Up to 40 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					
VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8				
	VCA rules in total.				
Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)				
Temperature Range	- 20 °C to 150 °C (- 4 °F to 302 °F)				
Temperature Accuracy	± 8 °C (± 14.4 °F)				



Video and Audio				
	Thermal:			
Main Stream	25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)			
	Optical:			
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)			
	60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)			
	Thermal:			
	25 fps (704 × 576, 352 × 288, 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.7110law/G.711alaw/WF2L2/G.720/FCW			
NCIWOIN	IDVA/IDV6 HTTD HTTDS 202 14 OAS ETD SMAD LIDAD SNIAD DNIS DDNIS NITD DTSD			
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE			
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			
<u></u>	Interface (Profile S, Profile G, Profile T)			
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(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 (0-5 VDC)			
Alarm Output	2, alarm output (alarm response actions configurable)			
Alarm Action	recording/Relay output/Smart capture/FTP upload/Email linkage			
Audio Input	1, 3.5 mm Mic in/Line in interface			
	Line input: 2-2.4 V [p-p], output impedance: 1 K Ω ± 10%			
Audio Output	Linear level, impedance: 600 Ω			
Communication Interface	1, RJ45 10 M/100 M Self-adaptive Ethernet interface.			
	1, RS-485 interface (half duplex)			
Analog Output	1.0 V [p-p]/75 Ω, 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,			
Web Client Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,			
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)			
Power Supply	12 VDC \pm 25%, ϕ 5.5 mm coaxial power plug			



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/HumidityTemperature: - 40 °C to 65 °C (- 40 °F to 149 °F)Humidity: 95% or less			
Protection Level	IP66 Standard TVS 6000V lightning protection, surge protection, voltage transient protection		
Dimensions	358.3 mm × 113.5 mm × 115.2 mm (14.10" × 4.47" × 4.35")		
Weight	Approx. 1.76 kg (3.88 lb)		



DRI Range Table

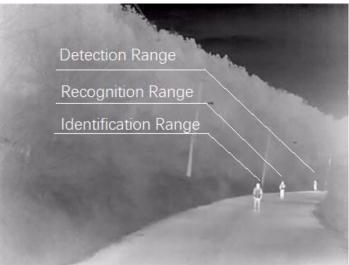
* The table is only for reference and the performance may vary according to different environment.

* 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)
875 m	285 m	219 m	71 m	109 m	36 m

Smart Function Table

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

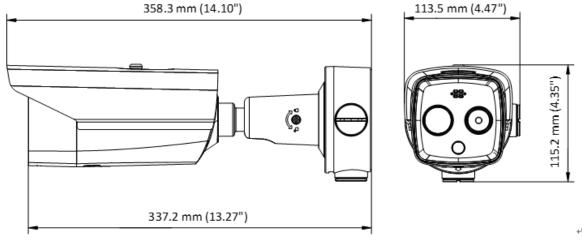
VCA Range (Vehicles: 1.4 ×	VCA Range (Humans: 1.8 ×	Temperature Measurement	Temperature Measurement
4.0 m)	0.5 m)	(Object: 2 × 2 m)	(Object: 1 × 1 m)
133 m	48 m	235 m	118 m

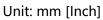
Available Model

DS-2TD2617-10/QA



Dimension





Accessory

Included



DS-1260ZJ Junction Box

Optional

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

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