

DS-2TD1217-2/QA Thermographic Network Turret Camera



Hikvision DS-2TD1217-2/QA Thermographic Network Turret 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.

- 160 × 120 resolution, 17 μm, VOx UFPA, NETD < 40 mK (25 °C, F# = 1.1)
- 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



▪ Detection Range Table

Detection Range (Vehicles: 1.4 × 4.0 m)	Detection Range (Humans: 1.8 × 0.5 m)	Recognition Range (Vehicles: 1.4 × 4.0 m)	Recognition Range (Humans: 1.8 × 0.5 m)	Identification Range (Vehicles: 1.4 × 4.0 m)	Identification Range (Humans: 1.8 × 0.5 m)
162 m	53 m	41 m	13 m	20 m	7 m

▪ DORI

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)
25	9	44	22

▪ Specification

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	1.8 mm
IFOV	9.44 mrad
Field of View	90.0° × 66.4° (H × V)
Min. Focusing Distance	0.1 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	1 s to 1/100,000 s
Focal Length	2 mm
Field of View	119.3° × 93.3° (H × V)
Aperture (Range)	F2.3
WDR	120 dB
Image Effect	
Target Coloration	Yes. Supported in white hot and black hot mode.
Illuminator	
IR Distance	Up to 15 m
IR Intensity and Angle	Automatically adjusted
Audible and Visual Alarm	
White Light Range	Up to 30 m

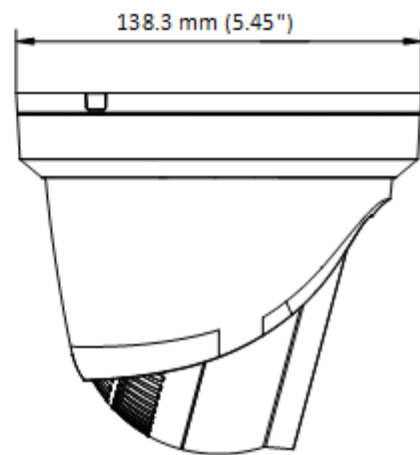
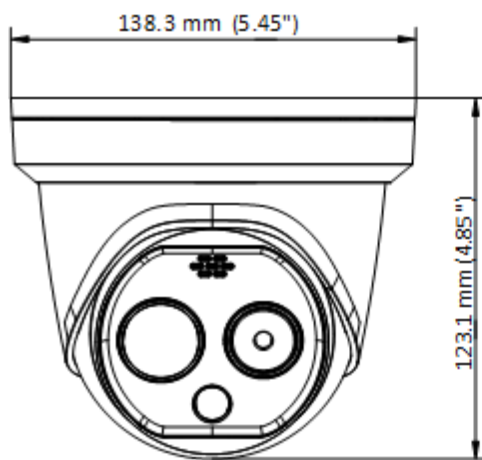
Visual Alarm	Yes. White light alarm with adjustable flashing frequencies
Audio alarm	Yes, for two types of audible alarm (VCA, Temperature) 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)
Smart Function	
VCA	4 VCA rule types (line crossing, 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	
Main Stream	Thermal: 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)
Sub-stream	Thermal: 25 fps (704 × 576, 352 × 288, 320 × 240) Optical: 50 Hz: 25 fps (704 × 576, 352 × 288) 60 Hz: 30 fps (704 × 480, 352 × 240)
Video Compression	Main Stream: H.265/H.264 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
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
API	ISAPI, HIKVISION SDK, third-party management platform,
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
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 +
Interface	
Alarm Input	1, alarm input (0-5 VDC)

Alarm Output	1, 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 - 2.4 V [p-p], output impedance: 1 K Ω \pm 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)
General	
Web Client Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, 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)
Power Supply	12 VDC \pm 25%, ϕ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption	12 VDC \pm 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 $^{\circ}$ C to 65 $^{\circ}$ C (- 40 $^{\circ}$ F to 149 $^{\circ}$ F) Humidity: 95% or less
Protection Level	IP66 Standard TVS 6000V lightning protection, surge protection, voltage transient protection
Dimensions	138.3 mm \times 138.3 mm \times 123.1 mm (5.45" \times 5.45" \times 4.85 ")
Weight	940 g (2.07 lb)

▪ Available Model






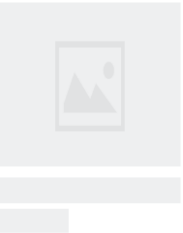

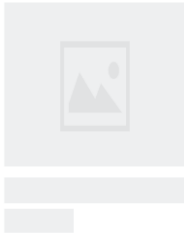

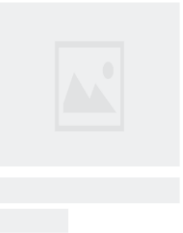
DS-2TD1217-2/QA(海外中性),DS-2TD1217-2/QA(海外标配),





▪ Dimension



▪ **Accessory**

▪ **Optional**

DS-1271ZJ-140 Pendant Mount	DS-1273ZJ-140 Wall mount	DS-1273ZJ-140(B LACK)	DS-1280ZJ-DM21 Junction box	DS-1275ZJ-SUS Vertical pole mount
				
				

DS-1276ZJ-SUS Corner mount	DS-1273ZJ-140B Wall mount
	
	

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