

## DS-2TD1217B-x/PA Series

### Thermographic Turret Temperature Measurement Camera

DeepinView<sup>series</sup>



- 160 x 120 Thermal Resolution (Upscaled to 320 x 240)
- Temperature Range: 86°–113° F (30°–45° C)
- Temperature Accuracy:  $\pm 0.9^\circ$  F ( $\pm 0.5^\circ$  C)
- Reliable Temperature Exception Alarm Function
- 3D DNR, Image Detail Enhancement
- Audio Alarm

Hikvision DS-2TD1217B -x/PA Thermographic Temperature Measurement Turret Cameras are equipped with highly sensitive thermal and optical sensors and a graphical processing unit to run the video content analysis (VCA) algorithms developed by Hikvision's deep learning technology.

Hikvision's HikMicro factory manufactures the vanadium oxide uncooled focal plane array thermal sensor with best in class image quality and price. The sensor's 160 x 120 resolution is upscaled to 320 x 240 and features adaptive AGC (Automatic Gain Control), 3D DNR (Digital Noise Reduction), and Digital Detail Enhancement for outstanding image enhancement. The 4 MP optical sensor provides outstanding color video in very dim environments down to 0.0089 lux, and a built-in IR illumination allows black and white optical surveillance in zero-light conditions up to 49 ft (15 m).

This camera series is able to measure an object's temperature at a high accuracy in real time. It is suitable for use in areas that require greater security measures, such as airports.

#### Available Models:

DS-2TD1217B-3/PA: 3.1 mm thermal/4 mm optical lens

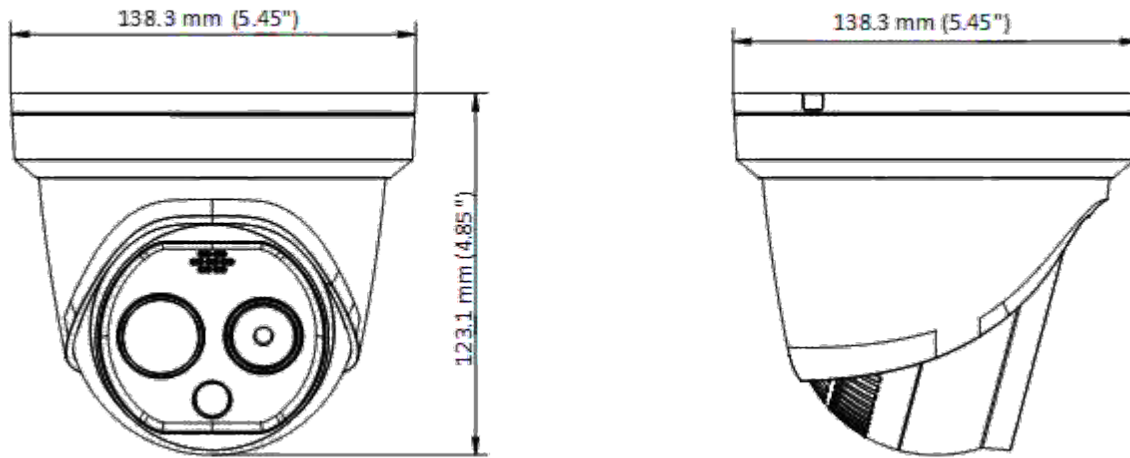
DS-2TD1217B-6/PA: 6.2 mm thermal/8 mm optical lens



# Specifications








	DS-2TD1217B-3/PA	DS-2TD1217B-6/PA
<b>Thermal Module</b>		
Image Sensor	Vanadium oxide uncooled focal plane arrays	
Maximum Resolution	160 × 120 (output image resolution is 320 × 240)	
Pixel Interval	17 μm	
Response Waveband	8 μm to 14 μm	
NETD	Less than 40 mK (25° C), F# = 1.1	
Lens (Focal Length)	3.1 mm	6.2 mm
I FOV	5.48 mrad	2.74 mrad
Field of View	50° × 37.2° (H × V)	25.0° × 18.7° (H × V)
Minimum Focusing Distance	0.2 m	0.6 m
Aperture	f/1.1	
<b>Optical Module</b>		
Maximum Image Resolution	2688 × 1520	
Image Sensor	1/2.7" progressive scan CMOS	
Minimum Illumination	Color: 0.0089 lux @ (f/1.6, AGC on), B/W: 0.0018 lux @ (f/1.6, AGC on)	
Shutter Speed	1s to 1/100,000s	
Lens (Focal Length)	4 mm	8 mm
Field of View	84° × 44.8° (H × V)	39.42° × 22.14° (H × V)
WDR	120 dB	
Day/Night	IR cut filter with auto switch	
<b>Image Function</b>		
Bi-Spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel	
Picture-in-Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image	
<b>Smart Function</b>		
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line)	
Temperature Range	86° to 113° F (30° to +45° C)	
Temperature Accuracy	±0.9° F (±0.5° C)	
<b>Infrared</b>		
IR Distance	Up to 49 ft (15 m)	
IR Intensity and Angle	Automatically adjusted	
<b>Network</b>		
Main Stream	Visible Light: 30 fps (2688 × 1520), 30 fps (1920 × 1080), 30 fps (1280 × 720) Thermal: 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240	
Sub-Stream	Visible Light: 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120) Thermal: 704 × 576, 352 × 288, 320 × 240	
Video Compression	H.265/H.264/MJPEG	
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1x, QoS, IPv6, UDP, Bonjour	
Simultaneous Live View	Up to 20	
User/Host Level	Up to 32 users, 3 levels: administrator, operator, user	
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x, access control, IP address filtering	
<b>Integration</b>		
Alarm Input	1-ch inputs (0–5 VDC)	
Alarm Output	1-ch relay outputs, alarm response actions configurable	
Alarm Action	SD recording/relay output/smart capture/FTP upload/e-mail linkage/audio alarm/white light alarm	
Audio Input	1 x 3.5 mm mic in/line in interface. Line input: 2–2.4 V [p-p], output impedance: 1K Ω ±10%	
Audio Output	Linear level; impedance: 600 Ω	
Reset	1 x reset button	
Communication Interface	1 x RJ-45 10M/100M self-adaptive Ethernet interface, 1 x RS-485 interface	
SD Memory Card	Built-in microSD card slot, supporting microSD/SDHC/SDXC card (up to 256 GB), supports manual/alarm recording	
Analog Video Output	1.0 V [p-p]/75 Ω, PAL/NTSC	
Application Programming	Open-ended API, supporting ISAPI, HIKVISION SDK, and third-party management platform	
Client	iVMS-4200, Hik-Connect	
Web Browser	IE9+, chrome31–44, Firefox 30–51, Safari 5.02+ (mac)	
<b>General</b>		
Menu 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	12 VDC ±20%, two-core terminal block PoE (802.3af, class 3)	
Power Consumption	12 VDC ±20%: 0.5 A, maximum 6 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, maximum 6.5 W	
Working Temperature/Humidity	50° to 95° F (10° to 35° C) (indoor and windless environment use only)/humidity 95% or less (non-condensing)	
Protection Level	IP66 standard, TVS 6000V lightning protection, surge protection, voltage transient protection	
Dimension	5.45" × 5.45" × 4.85" (138.3 mm × 138.3 mm × 123.1 mm)	
Weight	2.07 lb (940 g)	

## Dimensions





## Accessories

### NOT INCLUDED

						
<b>PC140</b> 140 mm Pendant Cap	<b>WML</b> Long Wall Mount w/Back Box	<b>PM</b> Pole Mount	<b>CM</b> Corner Mount	<b>CB135</b> Conduit Base	<b>CPM</b> Ceiling Pendant Mount	<b>TA-TT</b> <b>(DS-2908ZJ)</b> Turret Tripod Adapter
Requires WML	Requires PC140	Requires WML			Requires PC140	

### NOT INCLUDED

	
<b>PM1</b> Pole Mount	<b>CM1</b> Corner Mount
Requires CB135	