DETECCIÓN DE TEMPERATURA CON CÁMARAS HIK VISION

HIKVISION®

DS-2TD2637B-10/P
Fever Screening Thermal & Optical Network Bullet Camera

DeepinView series

Hikvision DS-2TD2637B Thermographic Bullet Body Temperature Measurement Camera is able to measure object's temperature at a high accuracy in real time. It is capable to discover and track people with higher body temperature among the crowded public area, it can be widely used in places such as customs, airport, school and hospital for inspection and quarantine.

Key Feature

- 384 × 288 high resolution in thermal channel, high sensitivity sensor
- Temperature range: 30°C to 45°C; temperature accuracy: ±0.5 °C
- Reliable temperature exception alarm function
- 4MP resolution in optical channel
- 3D DNR, image detail enhancement

www.hikvision.com

Specification

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	384 × 288
Pixel Interval	17μm
Response Waveband	8 μm to 14 μm
NETD (Noise Equivalent Temperature Difference)	≤ 35 mk (@25 °C,F# = 1.0)
Lens (Focal Length)	9.7 mm
IFOV	1.75mrad
Field of View	37.5° × 28.5° (H × V)
Min. Focusing Distance	1 m
Aperture	F 1.0

Optical Module

Max. Image Resolution	2688 × 1520
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Lens (Focal Length)	4 mm
Field of View	84° × 44.8° (H × V)
WDR	120 dB
Day & Night	IR cut filter with auto switch

Image Function

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

Smart Function

Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line).
Temperature Range	30 °C to + 45 °C
Temperature Accuracy	± 0.5 °C

Infrared

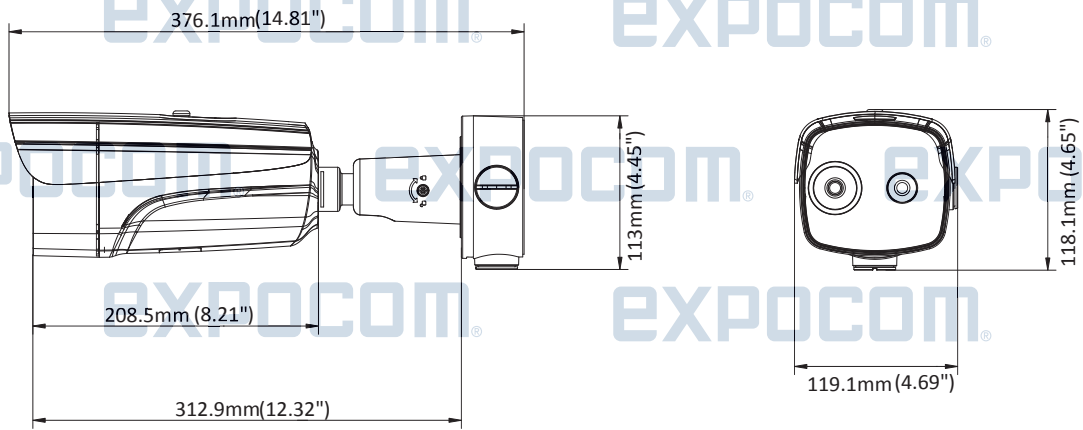|	
IR Distance	Up to 50 m
IR Intensity and Angle	Automatically adjusted

Network

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 (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)
Sub-stream	Optical: 50 Hz: 25 fps (704 × 576, 352 × 288, 176 × 144) 60 Hz: 30 fps (704 × 480, 352 × 240, 176 × 120) Thermal: 25 fps (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	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
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
Integration	
Alarm Input	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, 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 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω
Reset	1, Reset Button
Communication Interface	1, RJ45 10M/100M self-adaptive Ethernet interface. 1, RS-485 interface
SD Memory Card	Built-in micro SD card slot, support Micro SD/SDHC/SDXC card (up to 256 GB) Supports manual/alarm recording
Analog Video Output	1.0 V [p-p]/75 Ω, BNC, PAL/NTSC
Application Programming	Open-ended API, support ISAPI, HIKVISION SDK and third-party management platform, ONVIF (Profile S, Profile G, Profile T)
Client	iVMS-4200, Hik-Connect
Web Browser	IE 8-11, Chrome 41-44, Firefox 30-51
General	
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	24 VAC± 25%, 12 VDC± 25%, two-core terminal block PoE (802.3af, class 3)
Power Consumption	18 VAC to 30 VAC: 0.38 A to 0.22 A, max. 9 W 9 VDC to 15 VDC: 0.63 A to 1.06 A, max. 9 W PoE (802.3af, class 3): 44 V to 57 V, 0.22 A to 0.17 A, max. 9.5 W
Working Temperature/Humidity	Temperature: 10 °C to 35 °C（Indoor and windless environment use only） Humidity: 95% or less
Protection Level	IP66 Standard TVS 6000V lightning protection, surge protection, voltage transient protection
Dimensions	376.1 mm × 119.1 mm × 118.1 mm (14.81" × 4.68" × 4.65")
Weight	Approx. 1.82 kg (4.01 lb)

Available Model

DS-2TD2637B-10/P

Dimension

376.1mm(14.81")

208.5mm (8.21")

312.9mm(12.32")

113mm (4.45")

118.1mm (4.65")

119.1mm (4.69")

HIKVISION®

DeepinView series

Hikvision DS-2TD2617B Thermographic Bullet Body Temperature Measurement Camera is able to measure object's temperature at a high accuracy in real time. It is capable to discover and track people with higher body temperature among the crowded public area, it can be widely used in places such as customs, airport, school and hospital for inspection and quarantine.

Key Feature

- 160 × 120 resolution in thermal channel, high sensitivity sensor.
- Point, line and area for temperature measurement
- Temperature range: 30°C to 45°C; temperature accuracy: ±0.5 °C
- Reliable temperature exception alarm function
- 3D DNR, image detail enhancement
- Strobe light and audio alarm

www.hikvision.com

Specification

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	160 × 120 (the resolution of output image is 320 × 240)
Pixel Interval	17µm
Response Waveband	8 µm to 14 µm
NETD (Noise Equivalent Temperature Difference)	≤ 40 mk (@25 °C, F# = 1.1)
Lens (Focal Length)	6.2 mm
IFOV	2.74 mrad
Field of View	25° × 18.7° (H × V)
Min. Focusing Distance	0.6 m
Aperture	F 1.1

Optical Module

Max. Image Resolution	2688 × 1520
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0089 Lux @(F1.6, AGC ON), B/W: 0.0018 Lux @(F1.6, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Lens (Focal Length)	8 mm
Field of View	39.42° × 22.14° (H × V)
WDR	120 dB
Day & Night	IR cut filter with auto switch

Image Function

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

Smart Function

VCA (Video Content Analysis)	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	30°C to +45 °C
Temperature Accuracy	±0.5°C
Fire Detection	Dynamic fire point detection, up to 10 fire points detectable.

Infrared

IR Distance	Up to 40 m
IR Intensity and Angle	Automatically adjusted

Network

Main Stream	Visible Light: 50Hz: 25fps (2688 × 1520), 25fps (1920 × 1080), 25fps (1280 × 720) Visible Light: 60Hz: 30fps (2688 × 1520), 30fps (1920 × 1080), 30fps (1280 × 720) Thermal: 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240
Sub-stream	Visible Light: 50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144) Visible Light: 60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (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	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
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

Integration

Alarm Input	2-ch inputs (0-5 VDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable
Alarm Action	SD recording/relay output/smart capture/FTP upload/email linkage/audio alarm/white light alarm
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 to 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level, impedance: 600 Ω
Reset	1, Reset Button
Communication Interface	1, RJ45 10M/100M self-adaptive Ethernet interface. 1, RS-485 interface
SD Memory Card	Built-in micro SD card slot, support Micro SD/SDHC/SDXC card (up to 128 GB) Supports manual/alarm recording
Analog Video Output	1.0 V [p-p]/75 Ω, PAL/NTSC
Application Programming	Open-ended API, support ISAPI, HIKVISION SDK and third-party management platform
Client	iVMS-4200, Hik-Connect
Web Browser	IE9+, Chrome 31-44, Firefox 30-51, Safari 5.02+(mac)

General

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%: 0.65 A, max. 7.5 W PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, max. 8 W
Working Temperature/Humidity	Temperature: -20 °C to 50 °C 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" × 4.53")
Weight	Approx. 1.76 kg (3.88 lb)

Available Model

DS-2TD2617B-6/PA

Dimension

358.3 mm (14.10")

113.5 mm (4.47")

115.2 mm (4.35")

337.2 mm (13.27")
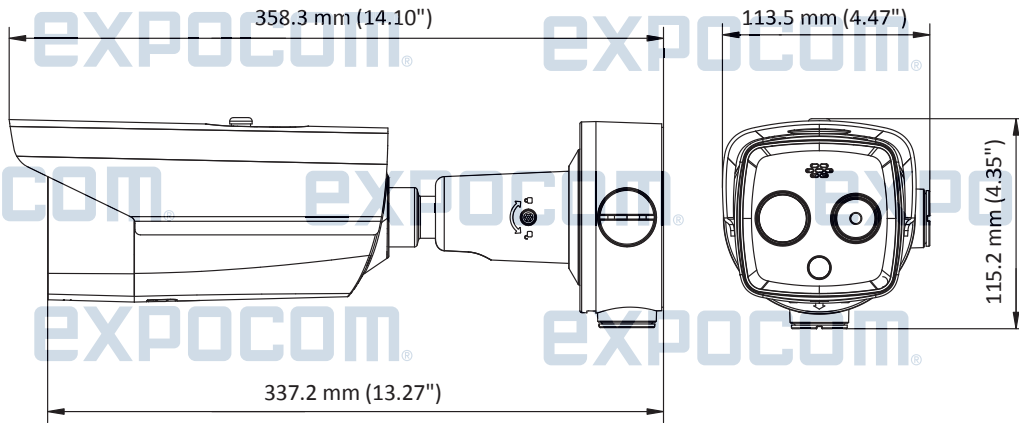
DS-2TD1217B-6/PA
Thermographic Turret Body Temperature Measurement Camera

DeepinView series

Hikvision DS-2TD1217B Thermographic Turret Body Temperature Measurement Camera is able to measure object's temperature at a high accuracy in real time. It is capable to discover and track people with higher body temperature among the crowded public area, it can be widely used in places such as customs, airport, school and hospital for inspection and quarantine.

Key Feature

- 160 × 120 resolution in thermal channel, high sensitivity sensor.
- Point, line and area for temperature measurement
- Temperature range: 30°C to 45°C; temperature accuracy: ±0.5 °C
- Reliable temperature exception alarm function
- 3D DNR, image detail enhancement
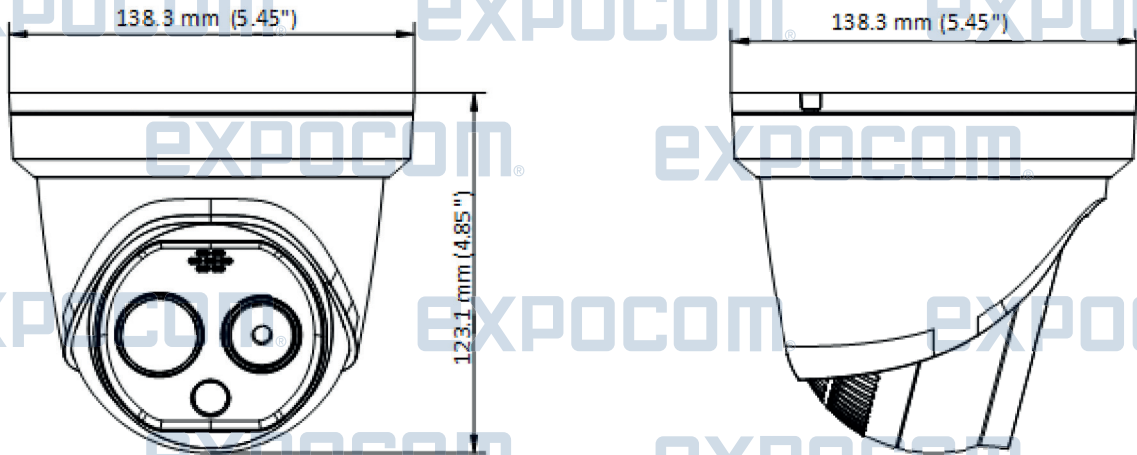- Strobe light and audio alarm

Specification

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	160 × 120 (the resolution of output image 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)	6.2 mm
IFOV	2.74 mrad
Field of View	25.0° × 18.7° (H × V)
Min. Focusing Distance	0.6 m
Aperture	F1.1

Optical Module

Max. Image Resolution	2688 × 1520
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W:0.0018 Lux @ (F1.6, AGC ON)
Shutter Speed	1s to 1/100,000s
Lens (Focal Length)	8 mm
Field of View	39.42° × 22.14°(H × V)
WDR	120 dB
Day & Night	IR cut filter with auto switch

Image Function

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

Smart Function

VCA (Video Content Analysis)	4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 8 VCA rules totally.
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line).
Temperature Range	30 °C to +45 °C
Temperature Accuracy	± 0.5°C
Fire detection	Dynamic fire point detection, up to 10 fire points detectable.

Infrared

IR Distance	Up to 15 m
IR Intensity and Angle	Automatically adjusted

Network

Main Stream	Visible Light: 50Hz: 25fps (2688 × 1520), 25fps (1920 × 1080), 25fps (1280 × 720) Visible Light: 60Hz: 30fps (2688 × 1520), 30fps (1920 × 1080), 30fps (1280 × 720) Thermal: 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240

Sub-Stream	Visible Light: 50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144) Visible Light: 60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (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
Integration	
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/email linkage/ audio alarm/white light alarm
Audio Input	1, 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 KΩ ± 10%
Audio Output	Linear level; impedance: 600 Ω
Reset	1 Reset Button
Communication Interface	1, RJ45 10M/100M Self-adaptive Ethernet interface. 1, RS-485 interface
SD Memory Card	Built-in MicroSD card slot, supporting MicroSD/SDHC/SDXC card (up to 256 G), 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)
General	
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, 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	-20 °C to 50 °C 95% or less
Protection Level	IP66 Standard, TVS 6000V Lightning protection, surge protection, voltage transient protection
Dimension	138.3 mm × 138.3 mm × 123.1 mm (5.45 " × 5.45" × 4.85 ")
Weight	940 g (2.07 lb)

Available Model

DS-2TD1217B-6/PA

Dimension

138.3 mm (5.45")

123.1 mm (4.85")

138.3 mm (5.45")

DS-2TP31B-3AUF

Body Temperature Measurement Camera

The handheld thermal camera, specially designed for body temperature measurement. It's equipped with a 160×120 resolution thermal detector. It helps to quickly detect fever

Key Features

- 160 × 120 resolution
- Thermographic accuracy up to ±0.5 °C
- 320 × 240 resolution 2.4'' LCD display
- Built-in rechargeable Li-ion battery
- Up to 8 hours continuous running

Functions

Thermography

Device detects the real-time temperature, and display it on the screen.

Storage

Device is equipped with replaceable memory card to store recorded captured snapshots, and important data.

Palette

Device supports 4 palettes.

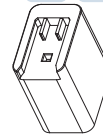| Specification			
	Model	DS-2TP31B-3AUF	
Parameter		Handheld Thermography Camera	
Thermal Module	Image sensor	Uncooled Focal Plane Arrays	
	Max. Resolution	160 × 120	
	Pixel Pitch	17μm	
	Response waveband	8μm to 14μm	
	NETD	< 40mK (@ 25 °C,F#=1.0)	
	Field of View	37.2° × 50 °	
	Focal length	3.1 mm	
	lFOV (mrad)	5.48 mrad	
	Min. Focus Length	≥ 150 mm	
	Aperture	F 1.1	
Image Display	Monitor	320 × 240 resolution 2.4'' LCD display	
	Palettes	Black hot, White hot, Rainbow, Ironbow	
Thermography	Rules	3 thermometry points: Max. Temperature; Min. Temperature; Center Temperature	
	Thermographic Range	30°C to 45 °C	
	Thermographic Accuracy	±0.5 °C	
Battery	Battery Type	Rechargeable Lithium Battery	
	Battery Operating Time	8 hours continuous running	
Functions	Laser Light	Support (Point to the thermography target)	
	Storage	Replaceable memory card (default 8G, support up to 128G storage)	
	Photo	Thermal image	
	Video	N.A.	
	Language	English	
General	Power	3.7 V DC/0.4 A	
	Power Consumption	Less than 1.2 W	
	Hardware Interface	micro USB	
	Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)	
	Protection level	IP54	
	Drop Test Height	2 m (6.56 feet)	
	Dimension	196 mm × 117 mm × 59 mm (7.7 ″ × 4.6 ″ × 2.3 ″)	
	Weight	Approx. less than 350 g (0.77 lb)	
	Accessory	Power Adaptor, USB cable, 8GB memory card, User manual, Disk, Wrist Strap	

Order Models
DS-2TP31B-3AUF
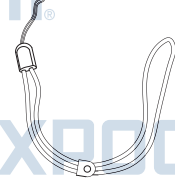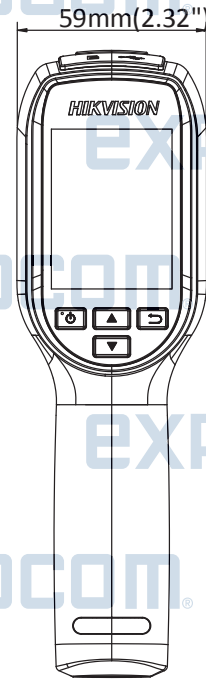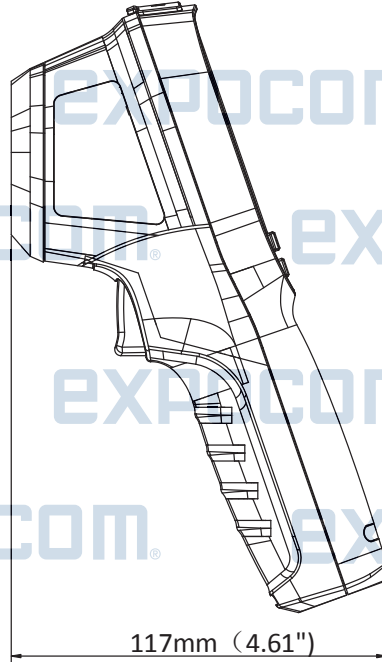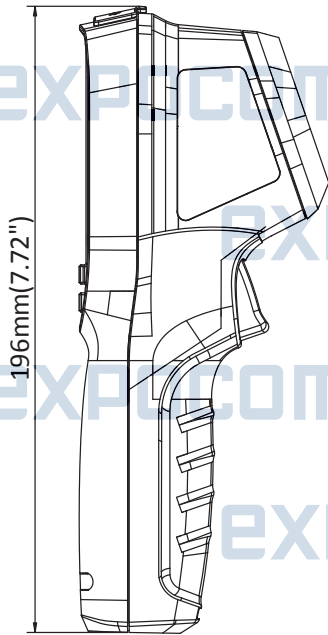
Box Content
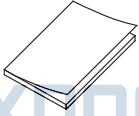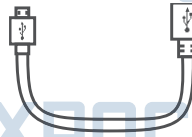
User Manual (×1)   Disk (×1)   USB Cable (x1)   power Adapter (x1)   Wrist Strap (x1)

Dimension

196mm(7.72")

117mm（4.61")

59mm(2.32")

DS-2TP21B-6AVF/W

Fever Screening Handheld Camera

The handheld thermal camera, specially designed for body temperature measurement. It's equipped with a 160×120 resolution thermal detector. It is capable to discover and track people with higher body temperature among the crowded public area, it can be widely used in places such as customs, airport, school and hospital for inspection and quarantine.

Key Feature

- 160 × 120 resolution (thermal), and 8 MP resolution (optical)
- Thermographic accuracy up to ±0.5 °C
- Display fusion of thermal view and optical view.
- 640 × 480 resolution 3.5" LCD touch display
- Support live view on PC, mobile device or external monitor
- Support audio intercom
- Support color highlight alarm and audio alarm

Specification			
		Model	**DS-2TP21B-6AVF/W**
Parameter			Thermographic Handheld Camera
Thermal Module		Image sensor	Uncooled Focal Plane Arrays
		Resolution	25Hz: 160 × 120
		Pixel Pitch	17µm
		Response waveband	8µm to 14µm
		NETD	< 40 mk (@ 25 °C,F#=1.0)
Optical Module		Field of View	25° × 18.7°
		Focal length	6.2 mm (Manual focus)
		IFOV	2.74 mrad
		Aperture	F 1.1
		Picture Resolution	Configurable: 2 MP, 5 MP, 8 MP
		Video Resolution	640 × 480
Image Display		Monitor	640 × 480 resolution 3.5'' LCD touch display
		Palettes	Black hot, White hot, Red hot, Rainbow, Ironbow, Fusion, Rain
		Digital Zoom	Thermal：1×, 2×, 4×
		Thermal / Optical	Thermal/Optical/Fusion image/Picture in picture
		Picture in Picture	Support Thermal View in Optical View
		Fusion	Support (Thermal View and Optical View Combined)
Thermography		Record Video	Support on-board video recording
		Rules	Max. Temperature; Min. Temperature; Center Temperature; Custom Point/Line/Area Thermography
		Range	30°C to 45°C
		Accuracy	±0.5°C
Battery		Battery Type	Dismountable and rechargeable Li-ion Battery
		Battery Operating Time	5 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light off. 4 hours in normal temperature, with Wi-Fi, Bluetooth, and supplement light on.
		Storage	Built-in memory module (16 G)
		Photo	Thermal/Optical/Fusion image
		Video	Thermal/Optical/Fusion image
		Wi-Fi	Support
		Text Comment	Support
		Voice Comment	Support
General		Language	English
		Power	5 VDC/2 A
		Power Consumption	Max. 4.5 W
		Hardware Interface	Type-C Interface
		Working Temperature	15°C to 35 °C
		Protection level	IP54
		Drop Test Height	2 m (6.56 feet)

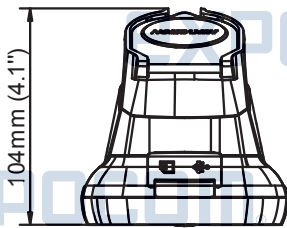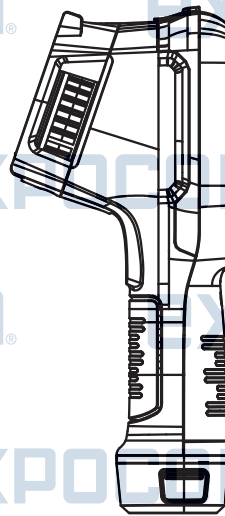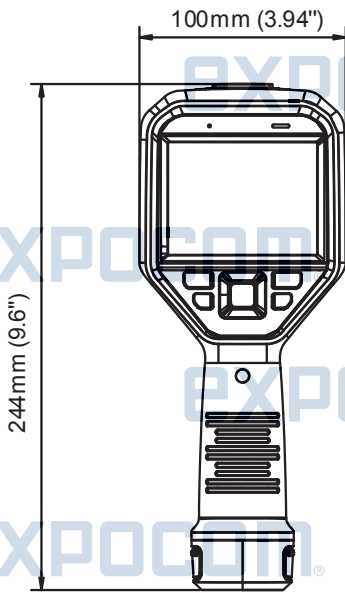|	Dimension	244 mm × 100 mm × 104 mm (9.6 × 3.9 × 4.1)
	Weight	With Battery: 653 g (1.44 lb) Without Battery: 511 g (1.13 lb)

Available Model

DS-2TP21B-6AVF/W

Dimension

EXPOCOM.

COMUNICACIÓN
SIN LÍMITES

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