

# Handheld Thermography Cameras



DS-2TP31-3AUF

Thermal Module	Image Sensor	Uncooled Focal Plane Arrays, VOx
	Max. Resolution	160 x 120
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Field of View	37.2° × 50°
	Focal Length	3.1 mm
	IFOV	5.48 mrad
	Min. Focal Length	≥ 150 mm
	Aperture	F 1.1
Image Display	Monitor	320 x 240 resolution 2.4" LCD display
	Palettes	Black hot, White hot, Rainbow, Ironbow
Thermography	Rules	3 Thermography points: max. temperature; min. temperature; center temperature
	Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy	Max (±2 °C, ±2%)
Battery	Battery Type	Rechargeable lithium battery
	Operating Time	Max 8h
Functions	Laser	For pointing to the target
	Photo	Supported
General	Hardware Interface	micro USB
	Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)
	Protection level	IP54
	Dimension	196 mm x 117 mm x 59 mm (7.7" x 4.6" x 2.3" )
	Weight	350 g (0.77 lb)
	Accessories	Power adaptor, USB cable, 8 GB memory card, user manual, wrist strap



DS-2TP21-6AVF/W

Thermal Module	Image Sensor	Uncooled Focal Plane Arrays, VOx
	Max. Resolution	160 × 120 @ 25 Hz
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Field of View	25° × 18.7°
	Focal Length	6.2 mm (manual focus)
	IFOV	2.74 mrad
Optical Module	Aperture	F 1.1
	Max. Resolution	Max 8MP
Image Display	Monitor	640 x 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 / Image Fusion / Picture in picture
	Video Recording	Supports on-board video recording
Thermography	Rules	Max. temperature; min. temperature; center temperature Custom point, line and frame Thermography
	Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy	Max (±2 °C, ±2%)
Battery	Battery Type	Replaceable and rechargeable lithium battery
	Operating Time	4 hours continuous running
Functions	Laser	For pointing to the target
	Photo	Supported
	Lighting	Supported
	Wi-Fi	Supported
General	Operating Temperature	-10 °C to 50 °C (-4 °F to 122 °F)
	Protection level	IP54
	Dimension	244 mm x 100 mm x 104 mm (9.6" x 3.9" x 4.1" )
	Weight	660 g (1.46 lb)
	Accessories	Power adaptor/USB cable/16G Memory card /User manual/wrist strap/Pouch



DS-2TP23-10VF/W

Thermal Module	Image Sensor	Uncooled Focal Plane Arrays, V0x
	Max. Resolution	384 x 288 @ 25 Hz
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Field of View	37.5° × 28.5°
	Focal Length	10 mm (manual focus)
	IFOV	1.7 mrad
	Aperture	F 1.0
Optical Module	Max. Resolution	1920 x 1080
Image Display	Monitor	640 x 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 / Image Fusion / Picture in picture
	Video Recording	Supports on-board video recording
Thermography	Rules	Max. temperature; min. temperature; center temperature Custom point, line and frame Thermography
	Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Accuracy	Max (±2 °C, ±2%)
Battery	Battery Type	Replaceable and rechargeable lithium battery
	Operating Time	Max 4h
Functions	Laser	Pinpoints targets for accuracy
	Photo	Supported
	Lighting	Supported
	Wi-Fi	Supported
General	Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)
	Protection level	IP54
	Dimension	244 mm x 100 mm x 104 mm (9.6" x 3.9" x 4.1" )
	Weight	660 g (1.46 lb)
	Accessories	Charger/power adapter/USB cable/64G memory card/User manual/ wrist strap/ box

## Online Thermography Cameras

### Thermographic Cube Camera



DS-2TA21 Series

Thermal Module	Image Sensor	Uncooled Focal Plane Arrays, V0x
	Max. Resolution	160 × 120 @ 25 Hz
	Pixel Pitch	17 μm
	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Focal Length	2/3mm
	IFOV	2.74 mrad
	Aperture	F 1.1
	Field of View	90° × 66.4° / 50° × 37.2°
Optical Module	Min. Focusing Distance	0.1 or 0.15 m
	Max. Resolution	1600 × 1200
	Focal Length	2 mm
Smart Feature	Field of View	92.6° × 75.8°
	Temperature Range	-20 °C to 350 °C (-4 °F to 662 °F)
	Temperature Accuracy	Max (±2 °C, ±2%)
Interface	Temperature Measurement Type	10 Custom Points / 1 Line / 10 Area
	Communication Interface	1 RJ45 Ethernet port, 1 RS-485 interface
	Alarm	1 input, 1 output
	Metadata Output	Max. 25 fps (16bit 160 × 120)
General	Power Supply	10-30 VDC, Max. 4 W PoE (802.3af, class 2)
	Operating Temperature and Humidity	-20 °C to 50 °C (-4 °F to 122 °F), humidity less than 95%
	Protection Level	IP67
	Dimensions	56 mm × 38.8 mm × 110 mm (2.20" × 1.53" × 4.33")
	Weight	335 g (0.74 lb)

Thermographic Automation Thermal Camera



<b>Thermal Module</b>	Image Sensor	Uncooled Focal Plane Arrays, VOx
	Pixel Pitch	17 μm
	Focal Length	7/15 mm, 384 × 288; 25mm, 640 × 512
	NETD	< 40 mK (@25 °C, F#=1.0)
	Focus Mode	Auto, Manual, Semi-auto Supports Regional Focus
<b>Smart Features</b>	Temperature Range	-20 °C to 150 °C (-4 °F to 302 °F) 0 °C to 550 °C (32 °F to 1022 °F)
	Temperature Accuracy	±2 °C (±3.6 °F) or ±2% (max)
	Temperature measurement Type	Display max. and min. temperatures in live view
<b>General</b>	Power Consumption and Current	12 VDC, 0.5 A, max. 6 W
	Operating Temperature and Humidity	-20 °C to 50 °C (-4 °F to 122 °F), humidity less than 95%
	Protection Level	IP40
	Dimensions	Camera: 60 mm × 60 mm × 120 mm (2.4" × 2.4" × 4.7") With package: 251 mm × 215 mm × 189 mm (9.9" × 8.5" × 7.4")
	Weight	With lens: 600 g (1.32 lb) Without lens: 350 g (0.77 lb)

**DS-2TA03 Series**  
**DS-2TA06 Series**

Bi-Spectrum Network Speed Dome



**DS-2TD4136T Series**  
**DS-2TD4166T Series**

<b>Thermal Module</b>	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Detector Pitch	17 μm
	Focal Length	9/25/50 mm, 384 × 288; 9/25/50 mm, 640 × 512
	FOV	41°/15°/7.5°; 72°/ 25°/12.5°IP67
	Aperture	F1.0
<b>Optical Camera</b>	NETD	< 40 mK (@25°C, F#=1.0)
	Min. Illumination	Color: 0.002 lux @ (F1.5, AGC on) B/W : 0.0002 lux @ (F1.5, AGC on)
	Temperature Measurement	Support 3 temperature measurement rule types, over 256 presets as scene, 21 rules of each scene (10 points, 10 frames, and 1 line)
	Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Temperature Accuracy	Max (±2 °C, ±2%)
<b>PTZ</b>	Fire Detection	Supports 10 fire detection points
	Movement Range	Pan: 360° (continuous rotate); Tilt: From -15° to + 90° (auto flip)
	Patrol Scan	8; Up to 32 presets per patrol
<b>Infrared Integration</b>	Pattern Scan	4; More than 10 minutes per pattern
	IR Distance	Up to 200 m
<b>General</b>	RS485	Half-Duplex; HIKVISION, PELCO-P and PELCO-D self-adaptive
	Power	24 VAC, 60 W
	Operating Temperature and Humidity	From -40 °C to 60 °C (-40 °F to 140 °F); Humidity: 90% or less
	Protection Level	IP66 standard; TVS 6000V lightning protection, surge protection and voltage transient protection
	Weight	8 kg (17.64 lb)

Bi-Spectrum Network Positioning System



**DS-2TD6236T** Series  
**DS-2TD6266T** Series

<b>Thermal Module</b>	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Detector Pitch	17 μm
	Focal Length	25/50 mm, 384 × 288; 25/50 mm, 640 × 512
	FOV	15°/7.5°; 25°/12.5°
	Aperture	F1.0
<b>Optical Camera</b>	NETD	< 40 mK (@ 25 °C, F#=1.0)
	Min. Illumination	Color: 0.002 lux @ (F1.5, AGC on ) B/W: 0.0002 lux @ (F1.5, AGC on )
<b>Smart Functions</b>	Temperature Measurement	Supports 3 temperature measurement rule types, over 256 presets as scene, 21 rules of each scene (10 points, 10 frames, and 1 line)
	Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Temperature Accuracy	Max (±2 °C, ±2%)
	Fire Detection	Supports 10 fire detection points
<b>PTZ</b>	Movement Range	Pan: 360° (continuous rotate); Tilt: From -90° to + 40° (auto flip)
	Patrol Scan	8; Up to 32 presets per patrol
	Pattern Scan	4; More than 10 minutes per pattern
<b>Integration</b>	IR Distance	Up to 200 m
	Alarm Input	Up to 7-ch relay input (0-5 VDC)
	Alarm Output	Up to 2-ch; supports alarm linkage
	RS485	Half-Duplex; HIKVISION, PELCO-P and PELCO-D self-adaptive24
<b>General</b>	Power	VAC, 120 W
	Operating Temperature and Humidity	From -40 °C to 60 °C (-40 °F to 140 °F); Humidity: 90% or less
	Protection Level	IP66 standard; TVS 6000V lightning protection, surge protection and voltage transient protection
	Weight	19 kg (41.89 lb)

Thermal Network Bullet Camera

<b>Thermal Module</b>	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
	Pixel Interval	17 μm
	Focal Length	10/15/25 mm, 384 × 288; 15/25 mm, 640 × 512
	FOV	37°/25°/15°; 40°/25°
	Aperture	F1.0
<b>Optical Camera</b>	NETD	Less than 40 mK (@25 °C, F#=1.0)
	Video Content Analysis (VCA)	4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 8 VCA rules
<b>Smart Function</b>	Temperature Measurement	21 temperature measurement rules in 3 types (10 points, 10 frames, and 1 line)
	Temperature Range	-20 °C to 550 °C (-4 °F to 1022 °F)
	Temperature Accuracy	Max (±2 °C, ±2%)
	Fire Detection	Dynamic fire point detection, up to 10 fire points detectable
<b>General</b>	Operating Temperature and Humidity	-40 °C to 65 °C (-40 °F to 149 °F), 90% or less
	Protection Level	IP66 standard TVS 6000V lightning protection, surge protection, voltage transient protection
	Dimensions	352.4 mm × 113.5 mm × 113 mm (13.9" × 4.45" × 4.45")
	Weight	2 kg (4.41 lb)



**DS-2TD2136T** Series  
**DS-2TD2166T** Series

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# Capturing the Invisible at a Glance

Hikvision Thermography Cameras

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