

# TI160-T10

## Infrared Body Surface Temperature Rapid Screening Camera (Thermal Imaging Camera)

TI160-T10 is a special infrared human body temperature screening device. This thermal imaging camera has extraordinary functions such as high accurate temperature measurement, real-time imaging, high-temp auto tracking, quickly lock the target etc. Currently, it is widely used in railway stations, bus stations, subway stations, airports, hospitals, schools, government buildings, enterprises and institutions, shopping malls, food markets, parks and other public places for investigation of abnormal body temperature. With durable quality, compact and lightweight body, integrated with multiple sensing functions of infrared, visible light, fill light, laser indicator, TI160-T10 can effectively improve the efficiency of detection.

### Features

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160x120 Uncooled detector

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Measurement accuracy  $\pm 0.5^{\circ}\text{C}$

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Visible and infrared image fusion and overlay

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Multiple measure modes: Center spot, highest temp, lowest temp

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Multiple sensors: infrared, visible light, fill light, laser indicator

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8hours battery life

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Weighing only 320g

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2 meters drop protection

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### Applications

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Clinical Diagnosis

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Veterinary

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Medical Research

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Disease field

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Public area

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ULIRVISION

## Technical Specifications

Item	T1160-T10
<b>Detector Data</b>	
Type	Uncooled FPA
IR resolution	160×120
Pixel pitch	17μm
Spectral range	7.5~14μm
NETD/Sensitivity	50mK
<b>Lens Data</b>	
FOV	42°× 32°
Minimum imaging distance	30cm
IFOV	4.42mrad
Focus	No need to focus
<b>Image Performance</b>	
Display	2.4"LCD display,320×240
Visible light camera	3 megapixel CMOS, auto focus, 1 led fill light
Display mode	Infrared, visible light, fusion
Palette	iron red, rainbow, black hot and white hot
<b>Measure</b>	
Temperature range	+30°C~+45°C
Measurement accuracy	±0.5°C
Measurement mode	Spot measure(Center spot, highest temp, lowest temp)
Emissivity correction	Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter
Image format	JPEG format with 14-bit measurement data image
<b>System functions</b>	
USB interface	USB2.0, Image, measurement data transmission
WIFI	Yes, equipped with dedicated APP
Function settings	Date / time, temp unit °C/°F /K, language
Storage	8G memory, support expansion
Laser indicator	Class 2, 1mW, 635nm red
Tripod	1/4" -20
Battery type	Lithium battery, rechargeable
Operating time	8h continuous working (room temperature)
Charging type	Micro USB direct charge
Charging time	4h(room temperature)
<b>Environment Parameters</b>	
Operating temperature range	+16°C~+32°C
Storage temperature range	-40°C~+70°C
Humidity	≤95%(non-condensing)
Drop protection	2m

Encapsulation	IP54(IEC60529)
<b>Physical data</b>	
Size	190mm×72mm×60mm
Weight	≤320g(with battery)
Standard	Thermal Imaging Camera, adapter, USB cable, warranty card, certificate, calibration book