# **T10P**

#### **Handheld Fever Screening Thermal Camera**

T10P 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, T10P can effectively improve the efficiency of detection.

#### **Features**

160×120 Uncooled detector

Measurement accuracy ±0.5°C

Visible and infrared image fusion and overlay

Multiple measure modes: Center spot, highest

temp, lowest temp

Multiple sensors: infrared, visible light, fill

light, laser indicator

8hours battery life

Weighing only 320g

2 meters drop protection

#### **Applications**

Clinical Diagnosis

Veterinary

Medical Research

Disease field

Public area



## **ULIRVISION**

### **Technical Specifications**

TipP  Detector Data  Type  IR resolution  Pixel pitch  Spectral range  NETD/Sensitivity  Lens Data  FOV  42*32*  Minimum imaging distance  IFOV  4.42mrad  Focus  Moned to focus  Image Performance  Display  Visible light camera  Display mode  Infrared, visible light, fusion  ron red, rainbow, black hot and white hot  Measure  Temperature range  Masurement accuracy  Measurement mode  Emissivity correction  Emissivity correction  Image format  System functions  USB interface  USB2.0, Image, measurement data transmission  VIFI  Yes, equipped with dedicated APP  Function settings  All yield and yield an		
Type Uncooled FPA IR resolution 160×120 Pixel pitch 17µm Spectral range 7.5~41µm NETD/Sensitivity 50mK Lens Data FOV 42*×32* Minimum imaging distance IFOV 4.42mrad Focus No need to focus Image Performance Display 2.4"LCD display,320×240 Visible light camera 3 megapixel CMOS, auto focus, 1 led fill light Display mode informate informate, rainbow, black hot and white hot Measure Temperature range 430°~445°C Measurement mode Spot measure(Center spot, highest temp, lowest temp) Measurement mode System functions USB interface USB2.0, Image, measurement data image System functions USB interface USB2.0, Image, measurement data transmission WIFI Ves, equipped with dedicated APP Function settings Date / time, temp unit °C/F /K, language Storage Battery type Lithium battery, rechargeable Operating time Shorton USB direct charge Charging type Micro USB direct charge Charging type Micro USB direct charge Charging type Micro USB direct charge Finance Financ	Item	T10P
IR resolution 160×120 Pixel pitch 17µm Spectral range 7.5~14µm NETD/Sensitivity 50mK  Lens Data FOV 42*×32* Minimum imaging distance IFOV 8.42mrad Focus No need to focus Image Performance 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 Measure Temperature range 4.30°C → 45°C Measurement accuracy Measurement accuracy 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 System functions USB interface USB2.0, Image, measurement data transmission WIFI Yes, equipped with dedicated APP Function settings Date / time, temp unit °C/T*/K, language Storage 8G memory, support expansion Laser indicator Class 2, 1mW, 635nm red Tripod 1/4* -20 Battery type Uithium battery, rechargeable Operating time 8h continuous working (room temperature) Charging type Micro USB direct charge Charging type Micro USB direct charge Charging time 8h continuous working (room temperature) Function settings Pale the micro USB direct charge Charging time 8h continuous working (room temperature) Charging temperature range Storage temperature range	Detector Data	
Pixel pitch 17µm 5 pectral range 7.5~4µm 5 pectral range 8. T.5~24µm 5.5~24µm 5.5 mK    Lens Data FOV 42°× 32°    Minimum imaging distance 1FOV 4.42 mrad 7.5 more deprisonment Parameters 1PEC 1.5 more 1.5 more deprisonment Parameters 1.5 more deposition in the programment parameters 1.5 more 1	Туре	Uncooled FPA
Spectral range NETD/Sensitivity Lens Data FOV 42*x 32* Minimum imaging distance IFOV 4.42mrad Focus No need to focus Image Performance Display Visible light camera Display 0.4"LCD display,320x240 Visible light camera Display 0.4"LCD display	IR resolution	160×120
NETD/Sensitivity Lens Data FOV 42*×32* Minimum imaging distance  IFOV 4.42mrad Focus No need to focus Image Performance Display Visible light camera Display 1.42"CD display,320×240 Visible light camera Display 2.4"LCD display,320×240 Visible light camera Measure Temperature range Humidity  Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter  USB2.0, Image, measurement data transmission WIFI Ves, equipped with dedicated APP Function settings Storage Battery type Charging type Charging type Charging type Charging type Environment Parameters Operating temperature range Humidity  South 4.2mrad Advantage  4.2"×32" Advantage A	Pixel pitch	17μm
Lens Data   FOV   42*×32*	Spectral range	7.5 $\sim$ 14 $\mu$ m
FOV   42*32*	NETD/Sensitivity	50mK
Minimum imaging distance  IFOV  4.42mrad  Focus  No need to focus  Image Performance  Display  Visible light camera  Display ande  Palette  Temperature range  Measurement mode  Emissivity correction  Image format  System functions  USB interface  USB2.0, Image, measurement data transmission  WIFI  Function settings  Storage  Battery type  Charging time  Environment Parameters  Operating temperature  range  Ingov  100 A.4.22mrad  A.4.2	Lens Data	
distance  IFOV  4.42mrad  Focus  No need to focus  Image Performance  Display  Visible light camera  Display mode  Palette  Temperature range  Measure  Temperature range  Measurement mode  Emissivity correction  Image format  System functions  USB interface  WIFI  Function settings  Storage  Battery type  Charging type  Charging type  Charging temperature range  Bisplay mode  Infrared, visible light, fusion  Infrared, visible	FOV	42°× 32°
IFOV  Focus  No need to focus  Image Performance  Display  Visible light camera  Palette  Temperature range  Measurement mode  Emissivity correction  USB interface  USB 2.0, Image, measurement data transmission  WIFI  Function settings  Storage  Storage  Battery type  Charging time  Environment Parameters  Operating temperature range  At 4.42mrad  No need to focus  1 diplay 3.20×240  A diplay 1 diplay 1 diplay 1 diplay 1 diplay  1 diplay 2.4°LCD display, 3.20×240  1 diplay 3.20×240  1 diplay	Minimum imaging	20cm
Focus   No need to focus	distance	30011
Image Performance   Display   2.4"LCD display,320×240	IFOV	4.42mrad
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  Measure  Temperature range  Ha0"C~+45"C  Measurement accuracy  Measurement mode  Emissivity correction  Image format  System functions  USB interface  USB2.0, Image, measurement data transmission  WIFI  Yes, equipped with dedicated APP  Function settings  Storage  Battery type  Listnium battery, rechargeable  Operating time  Charging type  Charging type  Humidity  Sussible ight, fusion  Infrared, visible light, fusion  Infrard, visit ligh	Focus	No need to focus
Visible light camera  Display mode  Display mode  Palette  iron red, rainbow, black hot and white hot  Measure  Temperature range  Measurement accuracy  Measurement mode  Emissivity correction  Image format  System functions  USB interface  WIFI  Function settings  Storage  Battery type  Charging time  Charging type  Charging type  Environment Parameters  Operating temperature range  Functions  Systemperature  Charging time  Charging time  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  System functions  Adjustable emissivity mo 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter  ##30°C ~ +45°C  ##30°C	Image Performance	
Display mode Palette iron red, rainbow, black hot and white hot  Measure Temperature range Measurement accuracy Measurement mode Emissivity correction Image format System functions USB interface Storage Storage Battery type Operating time Charging type Charging type Charging type Charging tyme Environment Parameters Operating temperature range Function  Display mode iron red, rainbow, black hot and white hot iron red, rainbow, black hot and white hot iron red, rainbow, black hot and white hot  Measure iron red, rainbow, black hot and white hot  ### 130℃ ~+45℃ ### 20.5℃  Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter  #### 14-bit measurement data image  #### 14-bit measurement data image  #### 14-bit measurement data transmission  #### 14-bit measurement data image  #### 14-bit measurement data image  #### 14-bit measurement data image  ##### 14-bit measurement data image  ######### 14-bit measurement data image  ###################################	Display	2.4"LCD display,320×240
Palette iron red, rainbow, black hot and white hot  Measure  Temperature range	Visible light camera	3 megapixel CMOS, auto focus, 1 led fill light
Measure       +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         System functions       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)         Environment Parameters       Operating temperature range         Storage temperature range       +16°C ~+32°C         Humidity       ≪95%(non-condensing)	Display mode	Infrared, visible light, fusion
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         System functions       USB interface         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)         Environment Parameters	Palette	iron red, rainbow, black hot and white hot
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         System functions       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)         Environment Parameters       4h(room temperature)         Operating temperature range       +16°C ~+32°C         Storage temperature range       -40°C ~+70°C         Humidity       ≤95%(non-condensing)	Measure	
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         System functions       USB interface         USB interface       USB2.0, Image, measurement data transmission         WIFI       Yes, equipped with dedicated APP         Function settings       Date / time, temp unit "C/TF/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)         Environment Parameters       Operating temperature range         Storage temperature range       +16 °C ~+32 °C         Humidity       ≤95%(non-condensing)	Temperature range	+30°C ∼+45°C
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  System functions  USB interface  USB2.0, Image, measurement data transmission  WIFI  Function settings  Date / time, temp unit "C/"F/K, language  Storage  8G memory, support expansion  Laser indicator  Class 2, 1mW, 635nm red  Tripod  Tripod  1/4" -20  Battery type  Lithium battery, rechargeable  Operating time  8h continuous working (room temperature)  Charging type  Micro USB direct charge  Charging time  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter  JPEG format with 14-bit measurement data image  Yes, equipped with dedicated APP  Loy" F/K, language  8G memory, support expansion  Laser indicator  Class 2, 1mW, 635nm red  1/4" -20  Battery type  Lithium battery, rechargeable  Wicro USB direct charge  4h(room temperature)  For +32 °C  -40 °C ~+70 °C  +70 °C  +70 °C  +70 °C  Storage temperature  range  Humidity	Measurement accuracy	±0.5℃
Image format  Image format  JPEG format with 14-bit measurement data image  System functions  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  Charging type  Charging time  4h(room temperature)  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  S95%(non-condensing)	Measurement mode	Spot measure(Center spot, highest temp, lowest temp)
Image format  JPEG format with 14-bit measurement data image  System functions  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  Sh continuous working (room temperature)  Charging type  Charging type  Micro USB direct charge  Charging time  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  ■95%(non-condensing)	Entre Normania	Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined
System functions  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  Charging type  Charging time  4h(room temperature)  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  ≤95%(non-condensing)	Emissivity correction	material emissivity meter
USB interface  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  Charging time  4h(room temperature)  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  ■95%(non-condensing)	Image format	JPEG format with 14-bit measurement data image
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  Charging time  4h(room temperature)  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  ≤95%(non-condensing)	System functions	
Function settings  Date / time, temp unit °C/°F/K, language  Storage  Storage  8G memory, support expansion  Class 2, 1mW, 635nm red  1/4" -20  Battery type  Lithium battery, rechargeable  Operating time  Sh continuous working (room temperature)  Charging type  Micro USB direct charge  Charging time  4h(room temperature)  Environment Parameters  Operating temperature  range  Storage temperature  range  Humidity  Storage femperature  same  40°C∼+70°C  ≤95%(non-condensing)	USB interface	USB2.0, Image, measurement data transmission
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)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity ≤95%(non-condensing)	WIFI	Yes, equipped with dedicated APP
Laser indicator  Tripod  1/4" -20  Battery type  Lithium battery, rechargeable  Operating time  Sh continuous working (room temperature)  Charging type  Charging time  4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  Class 2, 1mW, 635nm red  1/4" -20  Lithium battery, rechargeable  8h continuous working (room temperature)  Micro USB direct charge  4h(room temperature)  +16°C∼+32°C  -40°C∼+70°C	Function settings	Date / time, temp unit ${}^\circ\!\mathrm{C}/{}^\circ\!\mathrm{F}/K$ , language
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)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity $40^{\circ}\text{C} \sim +70^{\circ}\text{C}$	Storage	8G memory, support expansion
Battery type  Operating time  Sh continuous working (room temperature)  Charging type  Charging time  Micro USB direct charge  Charging time  4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  Lithium battery, rechargeable  8h continuous working (room temperature)  4h(room temperature)  +16°C∼+32°C  -40°C∼+70°C  ≤95%(non-condensing)	Laser indicator	Class 2, 1mW, 635nm red
Operating time  Charging type  Charging time  Micro USB direct charge  Charging time  4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  8h continuous working (room temperature)  4h(room temperature)  +16°C~+32°C  -40°C~+70°C  \$\leq\$95%(non-condensing)	Tripod	1/4" -20
Charging type Micro USB direct charge  Charging time 4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity $<$ 95%(non-condensing)	Battery type	Lithium battery, rechargeable
Charging type Micro USB direct charge  Charging time 4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity $4h(room temperature)$ $+16^{\circ}C \sim +32^{\circ}C$ $-40^{\circ}C \sim +70^{\circ}C$	Operating time	8h continuous working (room temperature)
Charging time 4h(room temperature)  Environment Parameters  Operating temperature range  Storage temperature range  Humidity  4h(room temperature) $+16^{\circ}\mathbb{C} \sim +32^{\circ}\mathbb{C}$ $-40^{\circ}\mathbb{C} \sim +70^{\circ}\mathbb{C}$	Charging type	Micro USB direct charge
Environment Parameters  Operating temperature range $+16^{\circ}\text{C} \sim +32^{\circ}\text{C}$ Storage temperature range $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Humidity $\leq 95\%$ (non-condensing)		
range $+16\mathrm{C}\!\!\sim\!+32\mathrm{C}$ Storage temperature $-40\mathrm{C}\!\!\sim\!+70\mathrm{C}$ range Humidity $\leq 95\%$ (non-condensing)		
range $+16\mathrm{C}\!\!\sim\!+32\mathrm{C}$ Storage temperature $-40\mathrm{C}\!\!\sim\!+70\mathrm{C}$ range Humidity $\leq 95\%$ (non-condensing)	Operating temperature	+16℃~+32℃
Storage temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ range Humidity $\leq 95\%$ (non-condensing)		
range  Humidity  -40 ℃~+70 ℃  \$\leq\$95%(non-condensing)	Storage temperature	
Humidity ≤95%(non-condensing)	• .	-40℃~+70℃
		≤95%(non-condensing)

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

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