KPM Hand Held Thermal Monitor – Fever Application (KPM-TI 160 P5)

TI160-P5 is a thermal imaging camera that specially designed for human body temperature measurement. This device can measure temperature accurately and automatically captures feverish people. What's more, it can form clear image, and the body is compact and lightweight. Products are widely used in airport, dock, station, school, shopping mall and other public places. The TI160-P5 can be quickly installed, and is not limited by the site. Easy operation and free from technical personnel installation and debugging greatly improve the detection efficiency to a certain extent.

Main Features

- 160×120 Uncooled detector
- Measurement accuracy ≤0.5℃
- Temperature range +30℃~+45℃
- Sound and light alarm, 40 seconds voice recording
- Multiple temperature measurement modes: high and low temperature auto tracking, line temperature measurement, isothermal analysis
- 3 megapixel visible light
- Motorized lens, auto focus
- Palm design, weighing only 400g
- Save picture with temperature data, traceable

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*All product specifications & pictures are subject to change without prior notification

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Item	TI160-P5
Detector Data	
Type	Uncooled FPA
IR resolution	160×120
Pixel pitch	17μm
Spectral range	7.5 ~ 14μm
NETD/Sensitivity	50mK
Lens Data	
FOV	24°× 18°
Minimum imaging distance	15cm
IFOV	2.3mrad
Focus	Motor/Auto
Lens(optional)	45°×34°/15cm, 12°×9°/1m
Image Performance	
Display	High definition 3.2 ”color digital LCD display, rotatable,800×480
Visual camera	3 megapixel CMOS, auto focus, 1 led fill light
Frequency	50Hz/60Hz
Amplification	1X ~ 4X Continuous zoom
Color palettes	12 options (including iron red, rainbow, black hot and white hot)
Contrast/Brightness	Auto/Manual
Measurement	
Temperature range	+30℃ ~ +45℃
Measurement accuracy	±0.5℃
Measurement mode	Real-time 4 movable points, 3 movable areas (highest temperature, lowest temperature capture, average temperature measurement), movable line temperature measurement, isothermal analysis, temperature difference measurement, temperature alarm (sound, color)
Measurement correction	Auto/Manual
Emissivity correction	Adjustable emissivity from 0.01 to 1.0, or correct emissivity through a predefined material emissivity meter
Background temperature correction	Auto (based on the entered background temperature)
Atmospheric transmissivity correction	Auto (according to the entered distance, relative humidity, ambient temperature)
Function settings	Date / time, temperature unit ℃/℉/K, language
Image storage	
Built-in memory	Yes, can store> 500 frames
Storage media	8G, can store> 8000 frames
Storage method	Auto / manual single frame image
Single frame infrared image format	JPEG format with 14-bit measurement data image

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Item	TI160-P5
One frame visible image format	JPEG format, or stored with a single frame image (PIP)
Voice annotation	40s voice format, stored with image (built-in microphone)
Laser indicator	
Laser classification	Second level
Laser power	1mW
Laser wavelength	635nm red
Interface	
Power interface	Yes
SD card slot	Yes
Video output	CVBS
Audio output	Yes
USB interface	USB2.0, Image, measurement data, voice transmission to computer
Tripod	1/4” -20
Power System	
Battery type	Lithium battery, rechargeable
Operating time	3h continuous working (room temperature)
External power	DC: 5V, ±5%
Charging system	Smart charger or local charger
Power saving	Yes
Environment Parameters	
Operating temperature range	-20°C ~ +50°C
Storage temperature range	-40°C ~ +70°C
Humidity	≤95%(non-condensing)
Shock	2G(IEC60068-2-6)
Vibration	25G(IEC60068-2-29)
Encapsulation	IP54(IEC60529)
Physical data	
Size	128mm×62mm×154mm
Weight	≤0.4kg(With battery and standard lens)
Packing	
Standard	Thermal Imaging Camera(with standard lens), 2 lithium batteries, battery charger, adapter, USB cable, SD card, card reader, software CD, warranty card, certificate, calibration book
Optional accessories	Laptop, SLR
Quality assurance	
ISO9001	Yes
CE	Yes
Third-party detection	Type Approval Certificate of Measuring Instruments issued by Zhejiang Quality and Technical Supervision Bureau

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