TI160-P5

SCOPE

Thermal imaging camera (For human body temperature measurement)

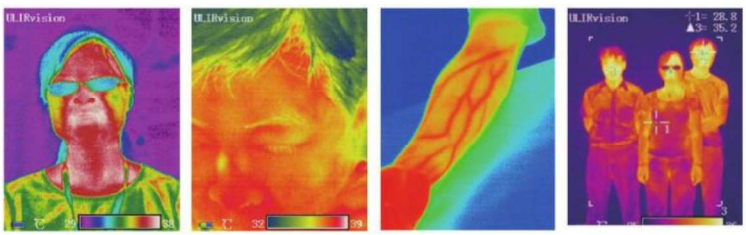
TI160-P5 is a special thermal imaging camera for human body temperature measurement. Its strong points are Accurate temperature measurement, real-time imaging, high-temperature automatic tracking, meanwhile it can quickly lock the hot spot. Our Products have been widely used in airport, dock, station, school, shopping malls and other public places to check human body temperature abnormalities. Palmetto design, compact and lightweight, integrated visible light function. Reliable performance and accurate temperature measurement can effectively improve the efficiency of detection.

Technical features

160x120 uncooled detector
Measuring accuracy≤0.5℃
Fusion and overlay of the thermal image & visible image
40s voice record & alarm
Multi-mode for temp. measurement, max./min./avg temp, auto tracking, isotherms analysis
3.2",270° rotatable and foldable LCD
Motorized lens, auto focus
Tiny size, light weight 400g
Free professional analysis software

Applications

clinical diagnosis
veterinarian
medical research
disease area
public area



ULIRVISION

Technical parameters

	Model	TI160-P5
Detector performance	Type	Uncooled FPA
	Resolution	160×120
	Spectral range	7.5～14um
	NETD	50mK
Lens	Fov	24°× 18°
	Minimum imaging distance	15cm
	IFOV	2.3mrad
	Focus	Auto/Motor
	Lens(Optional)	45°×34°/15cm、12°×9°/1m
Imaging performance	Display	3.2",270° tiltable LCD,800×480 pixels
	In-built Visual camera	3.0 mega pixel CMOS, auto focus,1 LED supplementary light
	Frequency	50Hz/60Hz
	Zoom	1X～4Xcontinuous
	Color palettes	12 palettes(including iron, rainbow, white hot and black hot etc.)
	Contrast/brightness	Auto/Manual
Measurement	Temperature range	+30℃～+45℃
	Measurement accuracy	±0.5℃
	Measurement model	4 adjustable boxes with max./min./avg temperature value
	Measurement correction	Auto/Manual
	Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials
	Background temperature	Auto(Based on the input background temperature)
	Atmospheric transmissivity	Auto(Based on the distance、relative humidity、background temperature)
	Setting function	Date/time, temperature unit ℃/℉/K,10 languages(English, French, Italian, German, Spanish, Portuguese, Russian, Korean, Japanese, Chinese
Image storage	internal memory	Built-in flash card, up to >700 images
	SD card	8G SD card, up to >11200 images
	Storage mode	Auto/Manual store image in frame
	Signal frame infrared	JPEG, with 14-Bit radiometric image
	Signal frame visible light	JPEG or stored with thermal image
	Voice annotation	40s voice record, stored with per image via built-in microphone
Laser designator	Classification of laser	Class 2
	laser power	1mW
	Laser wavelength	635nm Red
Interface	Power interface	Yes
	SD card slot	Yes
	Video output	CVBS
	Audio output	Yes
	USB	USE2.0, radiometric images、measurement data and voice are transferred to PC
	Tripod interface	1/4" -20
Power system	Battery type	Rechargeable Lithium battery
	Battery operation time	3h continuous
	External power	DC: 5V, ±5%
	Charging system	Intelligent charger or in camera
	Power saving	Yes
Environmental parameter	Operating temperature	-20℃～+50℃
	Storage temperature	-40℃～+70℃
	Humidity	≤95%(Non-condense)
	Shock	2G(IEC60068-2-6)
	Vibration	25G(IEC60068-2-29)
	Encapsulation	IP54(IEC60529)
physical characteristics	Size	158mm×62mm×54mm
	Weight	≤0.4kg (with battery and standard lens)
configuration	Standard	Thermal imaging camera with standard IR lens, Li -ion battery, battery charger, adapter, USB cable, SD card
	Optional	Laptop, SLR camera
Quality insurance	ISO9001	Yes
	CE	Yes
	The Third-party inspection	Zhejiang institute of quality and technology supervision and inspection