TI160-P5

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

ULIRVISION

Company Introduction

Zhejiang ULIRVISION Technology Co., Ltd.(ULIRVISION) is dedicated to researching, designing, manufacturing, integrating the IR and UV systems. Since the establishment in 2005, ULIRVISION has served its clients worldwide with cutting-edge technology in handheld thermal imaging cameras, thermal imaging cores, thermal night vision systems, thermal surveillance cameras and corona cameras. Innovative solutions are brought into power industry, electrical industry, automation application, firefighting, surveillance monitoring, and night vision areas through ULIRVISION.

ULIRVISION maintains its advantages in the industry with strong R&D team and advanced facilities. It invests about 8% of the total revenue into R&D annually, and it is committed to striving for meeting the new challenges. ULIRVISION is recognized by ISO9001:2008 certificate, SGS CE, RoHs, MIL standard certificate, and it has been granted more than 100 patents& 30 computer software copyrights.

It has seen dramatic growth in both domestic and international markets each year with average increase rate around 130% annually, which makes ULIRVISION pioneer in measurement and security solution providers. We have devoted and enthusiastic sales& technical staff to serve clients all over the world with their expertise around the clock.

Company Culture

- **ULIRVISION Positioning:**
  Infrared-centric IntelliSense products and big data service providers

- **ULIRVISION Vision:**
  Make the world more secure

- **ULIRVISION Mission:**
  Help visionaries gain insight into the future

- **ULIRVISION Core Values:**
  Create value for customers, provide a platform for those who struggle, and contribute to social progress

Honorary Certificate

01 Product Presentation

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.

02 Features

2m~5m

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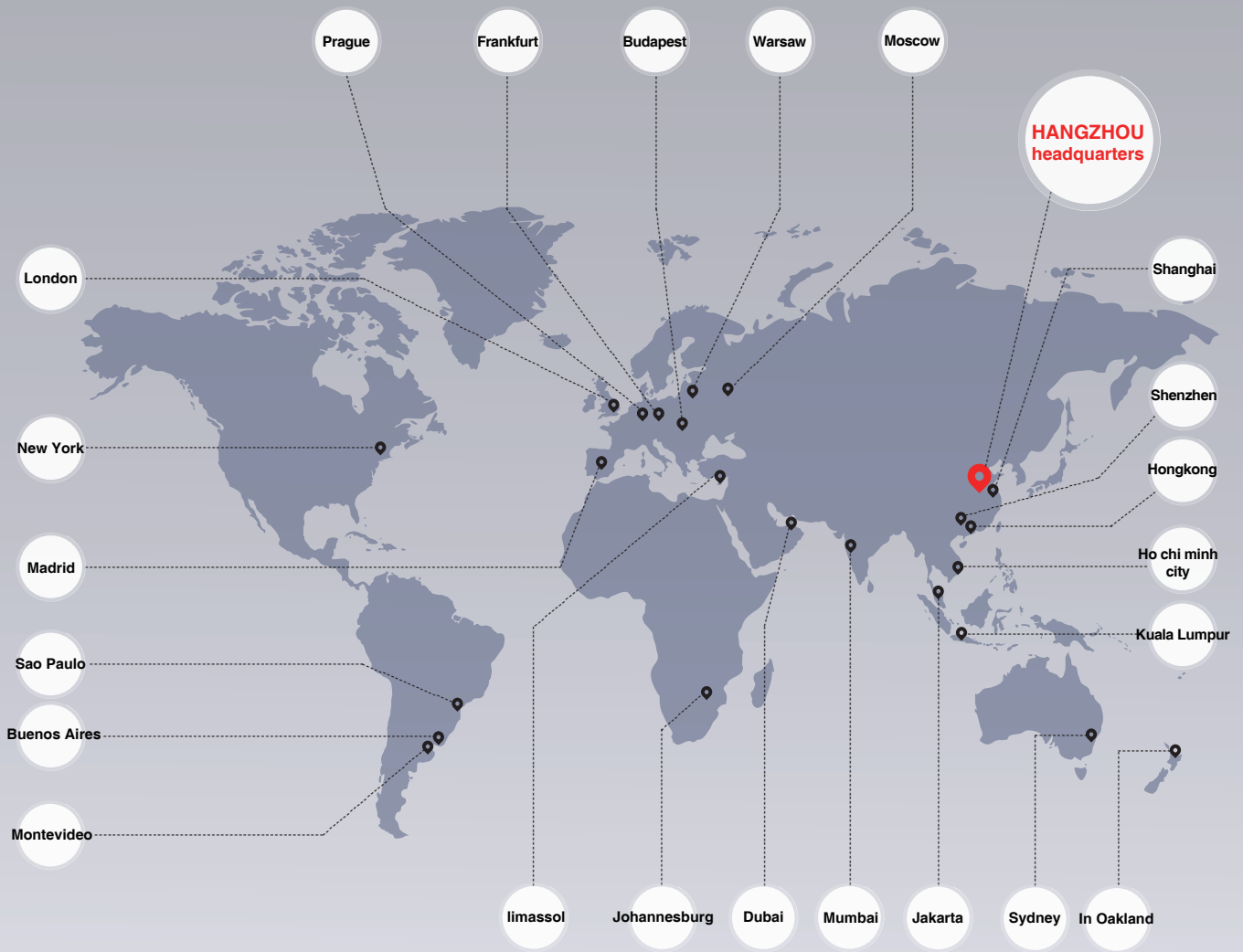
03 Applications

Technical Specifications

Item	TI160-P5
Detector Data	
Type	Uncooled FPA
IR resolution	160×120
Pixel pitch	17μm
Spectral range	7.5~14μm
NETD/Sensitivity	50mK
Lens	
FOV/Minimum imaging distance	24°x18°/15cm
IFOV	2.3mrad
Focus	Auto/Motor
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
Zoom	1x~4x continuous
Color palettes	12 palettes(including iron,rainbow,white hot and black hot etc.)
Contrast /brightness	Auto/Manual
Measurement	
Temperature range	+30℃~+45℃
Temperature 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 images
Storage media	8G SD card, up to > 8000 images
Storage method	Auto / manual single frame image
Single frame infrared image format	JPEG format with 14-bit measurement data image
One frame visible image format	JPEG format, or stored with a single frame image (PIP)
Voice annotation	40s voice record,stored with per image via built-in microphone
Laser indicator	
Laser classification	Class 2
Laser power	1mW
Laser wavelength	635nm red
Interfaces	
Power interface	Yes
SD card slot	Yes
Video output	CVBS
Audio output	Yes
USB interface	USB 2.0 radiometric images,measurement data and voice are transfered to PC
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
Enviroment Parameters	
Operation temperature range	+16℃~+32℃
Storage temperature range	-40℃~+70℃
Humidity	≤95%（Non- condense）
Shock	25G（IEC60068-2-29）
Vibration	2G（IEC60068-2-6）
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

Customers Distribution

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Shanghai
New York
Shenzhen
Madrid
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National distribution of temperature measuring products

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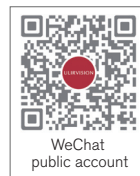
NORTH AMERICA

The United States

SOUTH AMERICA

Argentina

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ULIRVISION

Make the world more secure

Official website

WeChat
public account

Zhejiang ULIRVISION Technology Co.,LTD.

👤 400-711-1588   📞 400-711-1599   🅮 www.ulirvision.com

📍 17F（8/9/10/17F）, Block C, Sunwave Building, No.581, Huoju
   Avenue, Binjiang District, Hangzhou 310053, Zhejiang, China.