FOTRIC
— Thermal Intelligence —

FOTRIC 226*B*

Auto Body Temperature Screening Infrared Imager

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WLIR PC Software – For Body Temperature Screening

Automatically Lock Face Temperature to Prevent False Alarms

Fotric 226B comes with WLIR software are standard. WLIR has a built-in AI face detection module, automatically lock face for temperature measurement, intelligently shield high-temperature sources other than faces in scenes.

Intelligent Temperature Calibration Algorithm Prevents False Negatives

WLIR has a built-in body temperature calibration algorithm, which automatically collects face temperature in different scenarios for self-learning, and adjusts the body temperature alarm threshold in real time by adapting to ambient temperature changes, preventing people who report abnormal body temperature due to morning or night temperature differences.

Automatically Statistics of Screening and Alarming Numbers

WLIR can automatically count the number of screened personnel and the number of suspected abnormal body temperature alarms during the screening process, for an epidemic prevention and control.

Automatically Temperature Alarm

When an abnormal temperature person is detected, WLIR will automatically emit a buzzer to alert the alarm, and the face recognition frame of will be immediately displayed in red accordingly for a quick on-site identification.

Automatically Snap Shot for Abnormal Body Temperature

When an alarm is triggered by an abnormal body temperature person, WLIR will automatically capture the photo of the detected person for later statistics and analysis.

Body Temperature Screening Applications
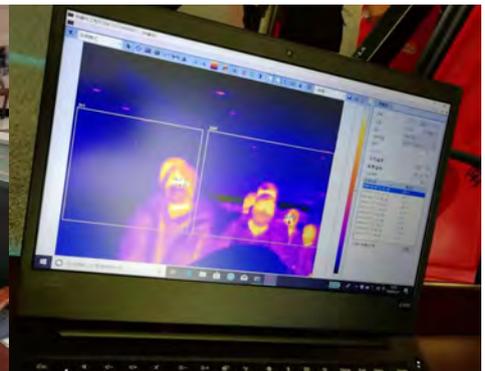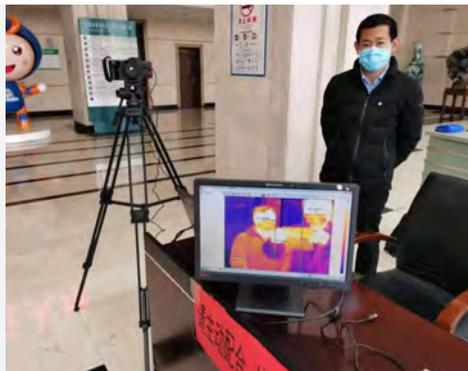
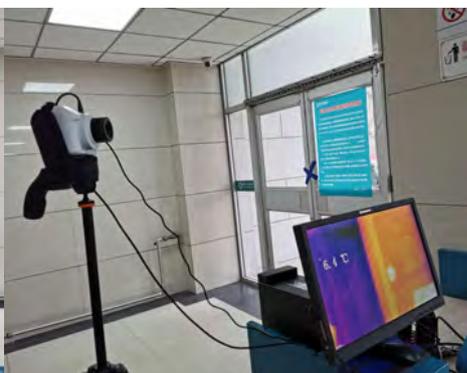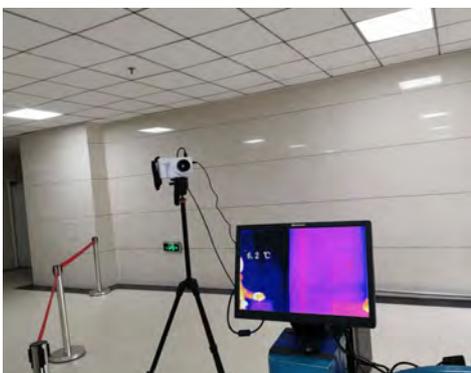## With WLIR PC Software

→ For Transportation Hub

← For Hospitals

→ For Government Agencies

← For Corporations and Factories

Specifications

Model	FOTRIC 226B
IR Resolution	384 × 288 pixels
Thermal Sensitivity (NETD)	<0.05°C@30°C
Field of View (FOV)	28°H × 21°V
Detector Type	Polysillicon-FPA, uncooled microbolometer, 17μm, Spectral Range 8-14μm
Frame Rate	50Hz
Temperature Range	20°C-60°C (68°F-140°F)
Temperature Stability	±0.5°C
AI Face Detection	Dual Light Detection (visible light and infrared thermal)
AI Body Temperature Algorithm	Calibrate alarm thresholds in real time based on ambient temperature
Statistic Function	Automatic statistics of screening number
Shooting Mode	Automatic abnormal temperature snap shot or manual shooting
Alarm Function	Both color alarm and sound alarm
Color Pallet	Black-White/Iron/Rainbow
Image Format	Standard JPEG with temperature data
Interface Connection	USB
Software	WLIR Body Temperature Screening Software
Operating Temperature	0°C-40°C (32°F-104°F)
Storage Temperature	-20°C-50°C (-4°F-122°F)
Enclosure Rating	IP40
Charging System	DC 12V Charger
Weight	±560g
Dimensions (LxHxW)	97mm × 145mm ×93.5mm
Tripod Mounting	UNC ¼"-20
Warranty	1 year
Standard Configuration	Fotric 226B infrared imager, standard lens, DC adaptor, 3m USB, Calibration Certificate, Getting Started Manual (with warranty card)

About FOTRIC

Infrared Thermal Imaging Technology is the conversion of invisible infrared energy emitted from objects to visible thermal images through infrared detectors and optical imaging lenses. The different colors on the thermograph represent the different temperatures of the measured objects, so that the high/low temperature points and the temperature distribution can be judged intuitively and quickly. And FOTRIC, as a brand that focuses on Infrared Thermal Imaging Technology, comes from the following: FO is the abbreviation of the English word PHOTON that represents light, and TRIC is the abbreviation of the English word ELECTRIC.

FOTRIC is dedicated to the research and innovation of Infrared Thermal Imaging Technology. It integrates Internet-based thermal big data platform to optimize the user experience and improve the work efficiency. FOTRIC launched the "Academician's Expert Workstation"by the academician of the Chinese Academy of Science and Technology in the field of infrared and remote sensing. It has dozens of core invention patents and software copyrights in the mobile Internet and intellectualization of infrared thermal imaging system, along with the global ISO:9001 quality system certification, the US FCC Test, and the CE Test, it is a High-Tech Enterprise.

- In 2012, FOTRIC launched a large-scale network monitoring thermal imaging system, and developed its first thermal image monitoring APP, which leads to the integration of thermal imaging technology and the internet;

- In 2013, FOTRIC developed its advanced professional thermal imager based on Android smartphone;

- In 2014, FOTRIC launched an intelligent fire-detect thermal camera, which can independently complete the analysis of fire alarm and link them to the fire system. It won the innovation fund of the State Ministry of Science and Technology;

- In 2016, the 2ndgeneration smartphone based thermal imager FOTRIC 220 series was greatly praised by users, winning the first of the thermography image competition in the electric category of the American IR/IFNO 2018.

- In 2017, based on internet cloud thermal camera, the Fotric 123 was released at CES in the USA. This innovated device provided the simplest user operations as the Internet cloud-based thermal camera.

- In 2018, FOTRIC launched the new Cloud-Based Thermal Imager, named"Fotric X Series." This series is based on the PdmIR thermal image data management system, with built-in industry standard and expert expertise, not only can it displays the temperature rising trend in real time, but also can generate the report by one-click. This strategic series will greatly reduce the user's data processing timing cost and studying cost; it has created a very innovative portable intelligent thermal imager category. FOTRIC X has been awarded as the winner for 2019 iF Awards.

- In 2019, FOTRIC introduces HawkAI, MagicThermal, TurboFocus as independent R&D intelligence algorithms leading technological innovation for infrared thermal imagers.

FOTRIC's headquarter is in Shanghai, China, along with Beijing, Wuxi, Ji'nan and Xi'an for branches. FOTRIC have developed distributors in more than 10 countries and regions, such as South America, UK, Europe, South Korea, India, Singapore, and Australia, for a sound sales channel and technical support network to serve global customers. In 2015, the company was officially listed on the new third board (stock code: 831598) and became a public company with a standardized operation.

The Mission: Improve efficiency and ensure safety
The Vision: Open up the thermal world for 123,456,789 people
The Values: Innovation, extraordinary, and integrity

Since 2018, FOTRIC has conducted in -depth strategic cooperation with national TVs, includes CCTV-10, Hunan Satellite, Shenzhen Satellite, to promote the infrared thermal imaging technology to the public to achieve its vision.

FOTRIC Precision Instruments

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The pictures are for illustrative purposes only.
Specifications subject to change without notice