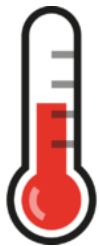**Four-Faith** 四信 ®

**F-TD200**

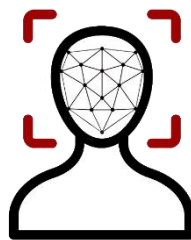# Intelligent Temperature Screening Machine

## KEY FEATURES

◆ **Stable:** High-quality infrared detector, advanced temperature measurement algorithm, industrial quality.

◆ **Accurate Measurement:** Accurate temperature measurement of 1-4 meters, the temperature accuracy is ±0.3℃, automatic correction.

◆ **High Efficiency:** Multi-person temperature measurement at the same time, no sensitivity screening, 300 people/min pass rate.

◆ **Intelligent:** Automatic tracking, face temperature measurement, over-temperature automatic alarm, mask detection, number of statistics.

◆ **Easy to Use:** Plug and play, simple operation, easy to maintenance.

### High Temperature Alarm

The temperature measurement accuracy of the product is better than ±0.3°C. Once the over-temperature people are found, photos will be taken and stored. Besides the scanner will alarm automatically and send the notice to the staff to do the further investigation.

### Intelligent Detection

Based on the AI face recognition algorithm, this body temperature screening machine can automatically track the face and measure the temperature without being affected by other interfering. heat sources. It can also support facial mask detection to remind people wearing the mask.

### High Efficiency

This body temperature screening machine uses high sensitivity infrared detector to achieve a fast response of 0.25 seconds. And support multi-person temperature measurement. at the same time. People do not need to stay and measure the temperature to provide the high passage efficiency.

# SPECIFICATION

| Model | F-TD200 |
|---|---|
| **Temperature Measurement** | |
| Temperature Measurement Range | 28-45°C |
| Temperature Measurement Accuracy | ±0.3°C<br>(Human body temperature 33~40°C) |
| Accurate Temperature Measurement Distance | 1~ 4m |
| Temperature Measuring Number of People | 10-12 People<br>(Measuring temperature at the same time) |
| **Infrared Thermal Imaging Parameters** | |
| Sensor Type | Uncooled vanadium oxide (VOX) detector |
| Resolution | 160x120 |
| Noise Equivalent Temperature Difference | <50 mK   (0.050°C) |
| Viewing Angle | 57°×44.3° |
| **Visible Light Parameters** | |
| Sensor | 1/2.8 "high-performance Progres Scan CMOS |
| Pixel | 200M |
| Resolution | 1920x1080 |
| Low Illumination | 0.01 Lux   @(F1.5) |
| Wide Dynamic | Support |
| White Balance | Support |
| Digital Noise Reduction | Support |
| **AI Features** | |
| Face Captured | Support multiple people walking at a uniform speed (0.8m/s) face capture function, can simultaneously (per frame) 20-30 faces for detection and capture. |
| **Interfaces** | |
| Alarm Output | 1<br>(Support alarm output signal, can control the access control system) |
| Alarm Input | 1 |
| Speaker | Play voice alarm |
| HDMI | 1 |
| USB | 2 |
| TF Card | 8G |
| **SDK** | |
| Third Party SDK Development | Support Linux, Windows SDK development |

| Machine Parameters | |
|---|---|
| **Operation Temperature** | 10-45°C<br>(Optimum operation temperature for body temperature measurement is 16-32°C) |
| **Operation Humidity** | EC 60068-2-30/24h 85% |
| **Power Supply** | DC12V（9~14V） |
| **Power Consumption** | ≤4W |
| **Dimention** | 90mm×47.3mm×130.15mm |
| **Weight** | 440g |

## Accessories（Optional）

**Four-Faith Industrial Router（F3X26Q）**



**Industrial-grade Design:**
Metal casing, IP30 protection level, industrial level components.

**Stable & Reliable:**
Multiple protection mechanisms to ensure system stability, always keeping online.

**Standard Interface:**
Standard RS232/RS485, ethernet and WIFI interface

**Powerful Function:**
Support various network protocols including TCP/IP, UDP, FTP (optional), HTTP, etc.

# Four-Faith Industrial Router（F-R200）



**Industrial-grade Design:**
Metal casing, IP30 protection level, industrial level components.

**Stable & Reliable:**
WDT watch dog design**,** Multiple protection mechanism.

**Standard Interface:**
Standard RS232/RS485, ethernet and WIFI interface

**Powerful Function:**
Support remote management, SYSLOG, SNMP, TELNET, SSHD, HTTPS and other functions.

## Ordering Information

| Model | Megapixel | Functions |
|:---:|:---:|:---:|
| **F-TD200** | 2MP | Multi-people body temperature detection, high accuracy, facial screening, industrial quality |