XTV5110 Thermal Face Temperature Monitoring System



Main Applications

- AI-based human face temperature measurement system using thermal imaging and deep learning technologies for rapid face temperature screening to help fight COVID-19.
- Measures human face temperature quickly and accurately in business and commercial settings to minimize potential transmission of coronavirus.
- Indicates and alerts when elevated forehead temperature is measured.
- Identifies whether a facemask is on.
- Plug and play, easy installation and operation.
- Sends alert notification emails and/or mobile SMS along with pictures.
- Sends backup records at scheduled frequency.
- Built-in speaker and microphone for voice alert and communication.
- Two bases and mounting gears available – desktop and wall mount.
- Supports 3rd party visitor/employee management system.
- Designed for public and private buildings to screen visitors and employees, i.e. offices, hotels, schools, ticketing boxes, shop, stores, malls, restaurants, train and bus stations, etc.

Key Features

1. **Easy to Use** - Plug and play for receptionist area to quickly identify anyone with elevated face temperature.
2. **Support Bases** - Various bases and mounting gears for any type of environment settings.
3. **Alerts and Notifications** - Real time normal and fever alerts. Elevated temperature data are sent via emails and/or SMS along with pictures.
4. **Data Backup** – Sends recorded data at scheduled frequency to user designated file servers
5. **ARCOS** – A cloud-based management tool for remote data access, recording and archiving, warning notification at pre-determined thresholds.
6. **Power** – Powered by 12VDC adapter. Optional battery package available for non-interrupted operations.
7. **Data Storage** – 2 GB RAM and 16GB Flash memory.
8. **Imaging Sensors** – Dual lens RGB + IR camera. 2.0 megapixel + 1.3 megapixel
9. **Door Lock/Unlock Function** – Used to lock/unlock entrance door system based on the combination of face temperature measurement and NFC access card (13.56MHz). NFC reader/writer is included.

Technical Specifications

Measurement Range: 35.7°C to 42°C / 96.3°F to 107.6°F
Accuracy: < ±0.3°C / ±0.5°F
Resolution: 0.1°C / 0.1°F
Sensor Type: Infrared sensor + RGB camera
Display: 8" LCD touch screen
Network: WiFi (802.11b/g/n 2.4G), SIM card (LTE), Ethernet
Measurement Distance: 0.4 – 0.6m /1.3 – 2.0Ft
Detection Time: <2.0 sec
Network Protocol: TCP/IP, UDP
Operating Temperature: 15°C to 35°C/60F°C to 95°F
Operating Humidity: <90% RH
Power Supply: 12V AC adapter
Dimensions: 325mm x 135 x 30mm/12.7" x 5.3" x 1.2"
Weight: 1.8Kg/4.0 lb