



AccuFACE ETC-T5

Designed for the Post-Covid19 World

Built with high-accuracy French-made thermal imaging technology, AccuFACE ETC-T5 is a special version of AccuFACE, designed to enforce contactless fever detection, face mask check, and facial recognition at the same time.

Unlike low-cost thermopile based products which are slow and difficult to operate, ETC-T5 equips a long-wave infrared thermal imager and can sense body temperature in real-time (30 FPS). And its wide operating range (from 30 to 200 cm) and full sensing angle make the operation of fever detection fast and easy.

Key Features

- **Real Thermal Imager** – authentic microbolometer thermal imager equipped
- **Wide-angle Speedy Sensing** – sense every point within the view angle at 30 frames per second
- **Face Mask Detection** – detect whether wearing face mask and enforce face covering policy
- **Liveness Detection** – reject hacking with photo printout, video and digital image
- **Keep Picture Records** – store up to 100,000 logs with snapshots and temperature records
- **Alarm System Ready** – notify fever alarm with voice/buzzer alert and LED ring blinking; can trigger external alarm via digital output
- **Facial Recognition Possible** – can further support facial recognition like EFR-T5 during fever detection
- **Ultra Compact** – size of a smart phone, only 25mm thick
- **Easy to Install** – support both wall mount and tripod mount; optional PoE function

Comparing Thermal Sensing Technologies

| | AccuFACE ETC-T5 | Thermopile based Products |
|---------------------------|--|---|
| Technology | Hi-resolution Microbolometer Thermal Imager | Low-resolution Thermopile Array |
| Operating Distance | Wide Range (30 to 200 cm) | Short (30~40 cm) |
| View Angle | Wide Able to sense at full screen | Narrow Need user alignment to certain area |
| Sensing Speed | Very Fast 0.033 second (30 FPS) | Slow 3~5 seconds to complete |
| Durability | Stable and durable | Need calibration after a few month |
| Cost | Moderate | Low |

Thermal Sensing Specifications

| | |
|---------------------|---|
| Technology | Uncooled A-Si Microbolometer |
| Thermal image | 80x80, progressive scan & shutterless |
| Spectral range | 8 μm to 14 μm |
| Frame rate | 30 frames/second |
| Thermal sensitivity | < 150mK |
| Accuracy | 0.3°C (0.54°F) after field calibration |
| View angle | 60 degree |
| Sensing range | 30°C ~ 45°C (86°F ~ 113°F) on user's face only |
| Sensing distance | 30 to 200 cm |

System Specifications

| Model | AccuFACE ETC-T5 Series |
|-----------------------|--|
| Dimensions & weight | 88(W) x 168(H) x 25(D) mm, 250g |
| Power Supply | DV 12V/ 2.0A Optional PoE support |
| Cameras | Dual Full-HD cameras |
| Active Illumination | 4 hi-power IR LEDs; white-light LED ring |
| Display | 4" Hi-resolution TFT LCD with capacitive multi-point touch |
| Alarm | Built-in tamper switch; human voice and buzzer alarm |
| Digital input/output | 2 x Input (door sensor & exit switch), 2 x Output (1 Relay, 1 Digital Output) |
| Network | Gigabit Ethernet; |
| Operating temperature | 5 to 50C (41°F - 122°F) |
| Regulatory compliance | FCC, CE, ROHS |