EXPEC 1810
THERMOGRAPHIC CAMERA

EARLY DETECTION SAVES LIVES!

Fever is one of the typical symptoms of coronavirus (COVID-19), and the detection of body temperature is the first key point of epidemic control.

The infrared thermography fast temperature screening system adopts the principle of non-contact infrared thermography. The thermal image shows body temperature distribution with different colours. This system can realise non-contact, fast, high-precision, large-area and multi-target long-distance body temperature screening.

This system plays an important role in fast screening of suspected patients in assembly occupancies like airport, railway station, port, hospital, school, office building, etc...It is an important piece of equipment to prevent and control the epidemic.

FLEXIBLE DEPLOYMENT

Handheld Mobile Screening

Use the camera as a handheld device for mobile screenings in crowded areas or at fixed points.

Fixed Online Screening

Mount on a tripod to use for online continuous screening with an external monitor in order to realise full-automatic infrared temperature screening at entrance or transportation hubs with a large flow of people.

NON-CONTACT FAST SCREENING

- Large-area temperature screening distance coverage of 3-15m
- Millisecond imaging, multi-target simultaneous screening
- Effectively prevent cross infection

AI TEMPERATURE MEASUREMENT ALGORITHM

- AI intelligent algorithm with data processing chips
- Calibrate temperature intelligently and enhance image
- Intelligent alarm, face recognition and video capture

ACCURATE MEASUREMENT

- High resolution with more than 100K pixels
- Accurate to ±0.3C, lower than national standard
- Detector imported from France. Certified by U.S. Military Standards.

FLEXIBLE DEPLOYMENT WITH VARIOUS PRODUCTS

- Both mobile and fixed, the mobiles inspect, the fixed 7*24 online monitor
- Millisecond imaging, multi-target simultaneous screening
- Including hand-held, online vehicular, etc.

Type	Model	Resolution	Accuracy	NETD	IFOV	FOV/Minimum Imaging Distance
Handheld	EXPEC1810A	384*288	±0.3°C	±0.05°C@30°C	1.3mrad	24°*18°/0.3m
Handheld	EXPEC1810B	640*480	±0.3°C	±0.05°C@30°C	0.68mrad	24°*18°/0.2m

Fast temperature screening in places with high density people