

Fever Detection by Thermal Camera

FeverSENS

Thermal Imaging Camera, visual camera and electronic signal processing technologies have been combined to provide high performance, compact systems for mass screening and fever detection.

The FeverSENS System is designed for mass screening of public areas and is used to find individuals with higher body temperature. As a group of people walk pass the camera head, thermal and visual images are displayed on the nearby monitor. Our FeverSENS, system consist of a fixed thermal imaging camera, visual camera and thermal image processing (fever detection) software. The system is housed in an agronomical kiosk, for free standing operation.

The Thermal and visual camera are mounted to screen at locations for mass screening of people. The software can detect, people with high fever and can raise an alarm and record the thermal and visual image. Based on the preliminary detection of fever, detailed investigation can be done for taking a decision.

The FeverSENS is ideal for mass temperature screening in areas like airports, railway or subway stations, seaports, and any other public facilities.



Key Feature

- Realtime Dual Video – Thermal For fever Detection and Visual for Quick Identification
- Configurable Temperature Sensor to detect fever, flu as per symptoms
- Automatic Alerts by Email or SMS
- Visual Identification of Video when any fever detected
- Several lenses for different FOV

Application – Fever screening at

- Airports
- Railway Stations
- Bus Stations
- Sea Ports
- Malls
- Social gatherings

Technical Specifications

THERMAL CAMERA

Specification	LTE-384	LTE-640
Temperature Measurement Range	-20°C - 120°C, 0°C - 500°C	-20°C - 120°C, 0°C - 500°C
Detector array format	384 x 288 Pixels	640x480Pixels
Detector	Uncooled FPA detector	Uncooled FPA detector
Spectral response	8 to 14µm	8 to 14µm
Frame frequency	25Hz	30Hz
Field of View	30.4° x 23.1°	48.8° x 37.6°

VISUAL CAMERA

1/2.8" 2.13MP Sony Progressive Scan CMOS ,Defog Function/Mirror Image, 2MP Full Real-time HD Quality Image, up to 20x Optical Zoom, Working Temp. : 20°C to +60°C , Auto & Fast Focus / Zoom ,Motion Detection

SOFTWARE

InfraView™ IDS Software processes the Thermal and Visual images. It detects any person with fever / body temperature higher than normal it draws a circle of him/her and stores the image and also sense alert to configure persons.

COMPUTER

Processor : Intel i7 8th Generation or Higher
RAM : 8 GB, GPU : 2 GB, HDD : 1 TB, Operating System : Windows 10

KIOSK

With digital signal transmission and 25Hz/30Hz PAL/NTSC frame frequency, it could capture real-time video and display without any delay

INFRAVIEW™

INFRAVIEW™ software is designed to provide a view of thermal and visual image in real time.

Whenever it detects any person with fever / body temperature higher than normal it draws a circle of him/her and stores the image and also it sense alert to configure persons.



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