



Skin Temperature Measurement System

High volume foot traffic

This Thermal Scan is a real-time non-contact temperature measurement system for detecting and alarming individuals with elevated temperature in high footfall areas.

Main features:

Multiple person, real-time facial temperature tracking with high and warning level on-screen visible and audible alarms.



- Visible and thermal images.
- Dynamic Event Recording (DER) software captures video for up to 10 seconds before and after an alarm.
- Temperature readings from 15 - 30 ft back and takes up to 3 people per second
- High temperature exclusion setting to avoid false alarms.
- In-scene Blackbody calibration reference source for highest accuracy temperature measurement.
- Choice of monochrome or color thermal palettes with red (hot) isotherm.
- Gallery and Print options for reference records with historical data.

International Standards

ISO Standard for Fever Screening Systems, BS (EN) IEC 80601-2-59:2019 and when operated in accordance with the ISO Standard PD ISO/TR 13154:2017.

The system consists of:

- High resolution scan, combined infrared and visual camera unit.
- Blackbody temperature reference unit
- Laptop with the scan software

SYSTEM PERFORMANCE	
Temperature Measurement Range	30°C to 40°C
Operating Ambient Temperature Range	15°C to 35°C
Power Supply	110-240VAC
Video Display	Colour Laptop LCD
Video Output	HDMI

CAMERA DIMENSIONS	
Weight	850g
Length	95mm
Width	110mm
Height	70mm

CAMERA THERMAL - FSD01	
Resolution	110k pixels
Horizontal FOV	26° (±10%)
Spectral Response	7-14µm
Frame Rate	<9Hz, 30Hz or 50Hz (region dependant)
Accuracy	±0.2°C
Temperature Sensitivity	±0.05°C
MRTD (Min Res Temp Diff)	0.1°C

CAMERA VISIBLE - FSD01	
Resolution	1.3M pixels
Horizontal FOV	32°
Frame Rate	25Hz

BLACKBODY - ThermoRef 35B1	
Accuracy	±0.2°C
Emisivity	0.97 ±0.02°C
Temperature Range	20°C to 40°C
Display Resolution	0.01°C
Combined Accuracy / Stability	±0.2°C

LAPTOP	
Screen Size	14"
Operating System	Windows 10 Pro
Software	FevIR Scan 2

INTERCONNECTIVITY	
Email on alarm	Access Control Output