

Imagine the invisible

Software

ThermalSentryII™

Automatic temperature measurement system

ThermalSentryII™ stands vigilant against the threat of infectious diseases

ThermalSentryII™ is an automatic, highly-accurate, non-contact, body temperature measurement system. ThermalSentryII™ can instantly be switched between screening groups of people and screening individuals.

Group Screening:

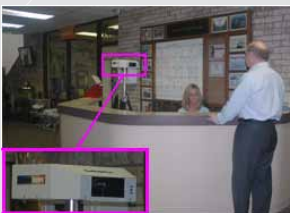
- All subjects monitored simultaneously
- No need for crowd to queue for individual temperature checks
- Multiple over-temp events tracked
- Status LED indicators with set-points
- Audible alarms including voice option
- Screens large numbers of people quickly
- Efficient set-up for secondary screening
- Up to 30 measurements per second

Individual Screening:

- People are screened one at a time
- Automatic face location
- Detects if eyewear is present
- Measures temperature in eye corners
- Status LED indicators with set-points
- Auto audible alarms including voice... “proceed, remove glasses, face the camera, see attendant”, etc.
- High resolution measurements in 1-2 seconds



Group Screening

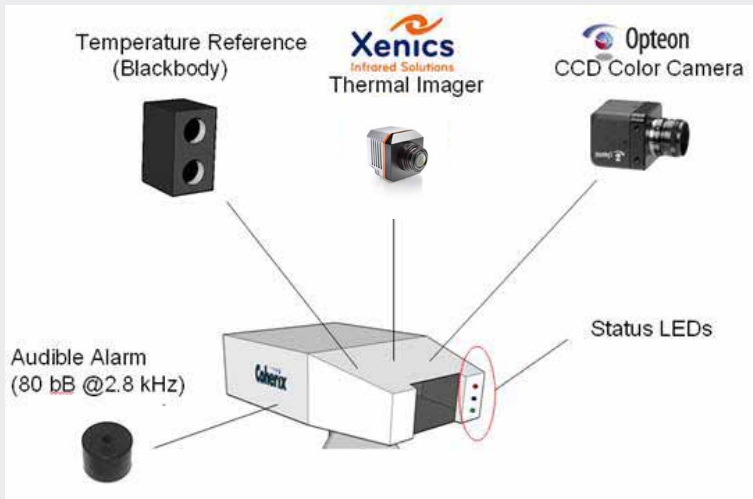


Individual Screening

Benefits & Features

- 3 minute setup time
- Selectable single person or group screening modes
- Settable alarm temperature
- Record and review still images or video of alarm events
- 30 ms / measurement (group mode)
1-2 seconds / measurement (single mode)
- Alarm events indicated via monitor(s), LEDs, PC speakers, and buzzer
- Voice and text instructions issued automatically
- Integrated high-accuracy temperature references (black bodies)

Auto Calibration



In both screening modes, the system self-calibrates every image using high-accuracy internal temperature references (blackbodies). These calibration references are located in the sensor head and are optically embedded in the thermal camera's image using a patent pending technique. This arrangement ensures that the calibration references cannot become obscured or misaligned, and eliminates the need for a separately positioned calibration source.

Specifications

Key Features

Measurement accuracy	+/- 0.25 °C
Measurement time	33 ms (group) 1-2 seconds (single)
Blackbody accuracy	+/- 0.10 °C (NIST-traceable calibration)
Sensitivity (NETD)	0.050 °C
Alarm event review	Video and single image
Ambient temperature	-15 °C to 50 °C
Power requirements	110 to 220 VAC 50/60Hz
Dimensions	280 mm x 265 mm x 108 mm (11" x 10.4" x 4.25")
Weight	3.6 Kg (8 lbs.)
Interface	Ethernet and USB 2.0
Lights	3 high Intensity LEDs (red, blue, green)
Alarm	80 dB @ 2.8 kHz
PC	22" LCD All-In-One Touch Screen Computer
Options	Motorized Pan /Tilt head
	Heavy duty tripod Panasonic Toughbook™ laptop