

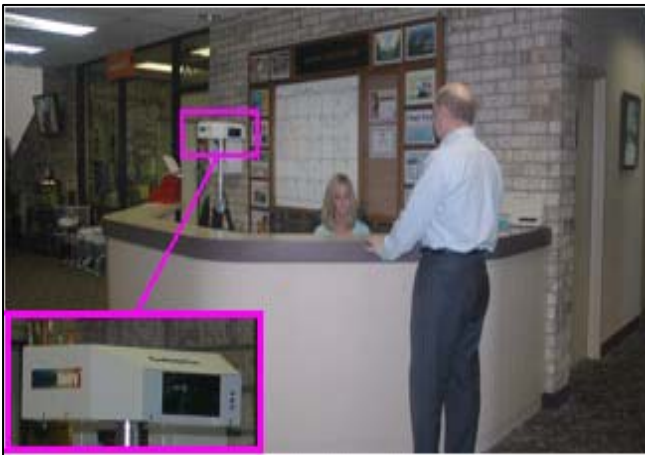
# ThermalSentryII™

## ThermalSentryII™ stands vigilant against the threat of infectious disease.

The Coherix 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

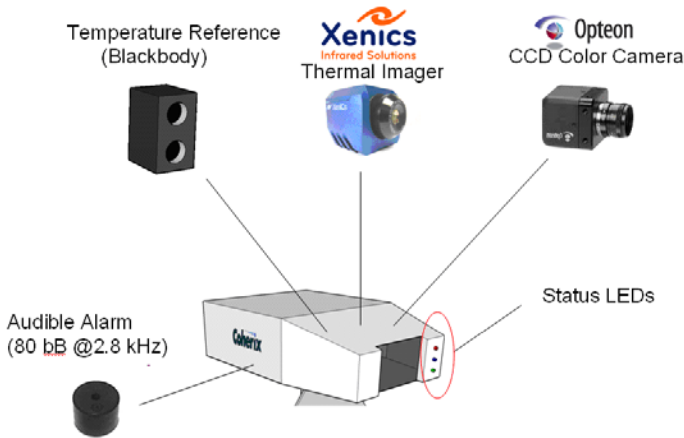


### Individual Screening:

- 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
- Audible alarms including voice...  
“proceed, remove glasses, face the camera, see attendant,” etc.
- High resolution measurements in 1-2 seconds

### 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.



## Features

- Integrated high-accuracy temperature references (black bodies)
- Selectable single person or group screening modes
- Face and eyewear detection for more accurate readings
- 30 ms / measurement (group mode) 1-2 seconds / measurement (single mode)
- ~3 minute setup time
- Alarm events indicated via monitor(s), LEDs, PC speakers, and buzzer
- Color camera and thermal images are bore sighted for easy alarm verification
- Simple touch screen operation
- Settable alarm temperature
- Record and review still images or video of alarm events
- Voice and text instructions issued automatically
- Patent pending

## Specifications

<b>Measurement Accuracy</b>	+/- 0.25 °C
<b>Measurement Time</b>	33 ms (group) 1-2 seconds (single)
<b>Blackbody Accuracy</b>	+/- 0.10 °C (NIST-traceable calibration)
<b>Sensitivity (NETD)</b>	0.050 °C
<b>Alarm Event Review</b>	Video and Single Image
<b>Ambient Temperature</b>	-15 °C to 50 °C
<b>Power Requirements</b>	110 to 220 VAC 50/60Hz
<b>Dimensions</b>	280 mm x 265 mm x 108 mm (11" x 10.4" x 4.25")
<b>Weight</b>	3.6 Kg (8 lbs.)
<b>Interface</b>	Ethernet and USB 2.0
<b>Lights</b>	3 High Intensity LEDs (red, blue, green)
<b>Alarm</b>	80 dB @ 2.8 kHz
<b>PC</b>	22" LCD All-In-One Touch Screen Computer
<b>Options</b>	Motorized Pan /Tilt Head
	Heavy Duty Tripod
	Panasonic Toughbook™ Laptop

Tyrone Minto - Coherix Inc.  
 3980 Ranchero Drive  
 Ann Arbor, MI 48108 USA  
 Mobile: (1) 734-645-0863  
[TyroneM@Coherix.com](mailto:TyroneM@Coherix.com)

Coherix Asia Pte Ltd  
 Block 4008, Tech Place I  
 Ang Mo Kio Avenue 10, #04- 07  
 Singapore 569625  
 Tel. (65) 6552-1218 Fax (65) 6552-1252