



# VisIR®

Thermoteknix Systems  
INFRARED VISION

Portable Skin Temperature  
Measurement System



Order No: PP010001

VisIR Camera

VisIR Interface Unit

Precision Calibration Source

Laptop Computer

Transport Case

Optional:

External Alarm or Indicator Kit

Flat 17" TFT Monitor

Colour Inkjet Printer



## VisIR® Skin Temperature Measurement System

A reliable and easy to use system for the measurement of human skin temperature. The system comprises an infrared camera linked to temperature measuring software and can be quickly installed at airports or other buildings where higher than normal body temperature might constitute a health or security hazard.

The software has a choice of 3 different alarm types for maximum flexibility. Firstly the system can be set to trigger an audible alarm when abnormally high body temperature is detected. Alternatively, the camera can be programmed to automatically save a still image and beam the file wirelessly to a remote device such as a remote networked PC or handheld PDA. The system can also be set to trigger an on-screen alarm, external output or Stop/Go indicator.

The equipment has been designed to make installation and movement of the system as quick and simple as possible and to ensure reliable and accurate body temperature monitoring with a minimum of personnel training.



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INFRARED VISION

## Portable Skin Temperature Measurement System



Precision calibration  
blackbody source

System designed for installation at airports, train stations and other key sites



Audible  
Alarm



Passenger



VisIR® Camera  
Monitoring Movement of  
People - Ceiling/Tripod  
Mounted or Handheld



On Screen  
Alarm

Order No: PP010001

VisIR Camera with Ceiling Mount

Precision Calibration Source

Laptop Computer

Transport Case

Optional:

External Alarm or Indicator Kit

Flat 17" TFT Monitor

Colour Inkjet Printer



## VisIR® Skin Temperature Measurement System Specifications

**Image:** 320 x 240 real time interpolated filter from 160 x 120

**Type:** Uncooled VOX microbolometer - normalised NETD of <math>\lt; 40\text{mK}</math> ( $f1.0$  optics)

**Response:** 7.5 to 13.5 microns

**Field of View:** Lens Options - 40 x 30°, 25 x 19° or 15 x 11°

**Accuracy:** <math>\lt; \pm 0.5^\circ\text{C}</math> or 2% of reading - whichever is greater

**Communication:** LVDS and Firewire

**Processing:** PC (laptop or desktop) with Windows XP Professional

**Focus:** 30cm to infinity

**Precision Calibration source:** 20-45°C  $\pm 0.2^\circ\text{C}$

**Operating Temperature:** 0 to 40°C

**Display:** 15" TFT LCD XGA (Dual Display CRT and LCD option)

**Palettes:** Standard and unlimited custom colour palettes

**Calibration:** Inbuilt Calibrated Shutter and External Precision Reference

**Portable:** Easily relocated; startup <math>\lt; 1</math> minute

**Software:** Turnkey Software with automatic alarms

**Network:** TX 10/100 Ethernet Interface