Introducing the new Land FTI Mini - the latest concept in continuous, on-line industrial thermal imaging.

The new series of FTI Mini thermal imagers provide continuous thermal monitoring of plant and process within the temperature range -20 to 500°C/-4 to 932°F.

Their compact and rugged design enable them to be used in the most demanding environments.

FTI Mini combines advanced electro-optical and signal processing technology, with the proven industrial format of Land System 4 high precision radiation thermometers.

FTI Mini is intended for use in a wide variety of applications ranging from medical and veterinary uses to heavy industrial situations such as steel plant and glass works.

Control of FTI Mini, image analysis and alarm functions are provided by LIPS Mini, the latest addition to Land’s LIPS software family.

Features
- Compact, on-line industrial thermal imagers
- Robust housing sealed to IP65
- Range of mounting and environmental accessories
- Range of close-up lenses
- Remote control and RS422A interface
- LIPS Mini provides extensive image processing including five colour palettes, zoom and noise filtering
- Alarm functions
- Real time image recording and playback
- Information exchange with other applications using DDE and OLE, such as Microsoft Office or LabView

Typical Applications
- Process monitoring and thermal surveillance
- Surveillance of combustible materials
- Flame monitoring
- Product/process research

see www.landinst.com for full contact details
FTI Mini Specification

Measuring ranges: -20 to 100°C/-4 to 212°F
0 to 300°C/32 to 572°F
0 to 500°C/32 to 932°F
based on blackbody temperature (additional ranges are available on request)

Detector: Uncooled Microbolometer FPA

Detector array format: 160 x 120 pixels

Spectral response: 7 to 14μm

Frame frequency: 30Hz

Temperature resolution: <0.12°C

Field of View: 17 x 12.8° (additional lens variants available on request)

Minimum Focus: 450mm/17.8in

IFOV: 1.85mrad (540:1)

Power Supply: 12V d.c., 3W

IP Rating: To IP65

Interfaces: Setup LCD port
RS 422A serial communications - at distances up to 1km
Video out - at distances up to 1km

LIPS Mini software: Continuous or still image display and acquisition with radiance measurement at points, areas, profiles, histograms or isotherms for alarm output. Five palettes are available to aid scene interpretation.

Operating temperature range: -20 to 55°C/-4 to 131°F

Overall weight: 2kg/4.4lb

Optional accessories
Power supply; LIPS Mini image processing software system; User Interface Box UIB; Close-up lenses.

Mechanical
Pan & tilt unit and control software; air purge; water-cooled jacket; protective end cap; tripod; range of mounting accessories.

Electrical
Desk-top PC and monitor; 19in rack mounted computer and monitor; LCD screen; alarm card; analog output card; digital input card.