

## FTI-E

### Intelligent Imaging

#### Features & Benefits

- High resolution radiometric thermal imager, giving detailed temperature information transmitted via a high speed digital connection
- Accurate temperature measurement, enabling optimum process control from over 76,000 individual temperature points
- Simple installation and ease of use, minimises cost and complexity
- Designed for harsh industrial environments, ensuring ultimate measurement reliability and availability



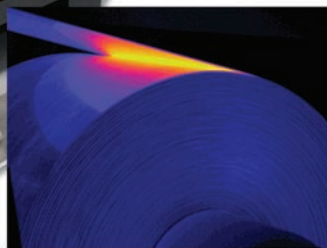
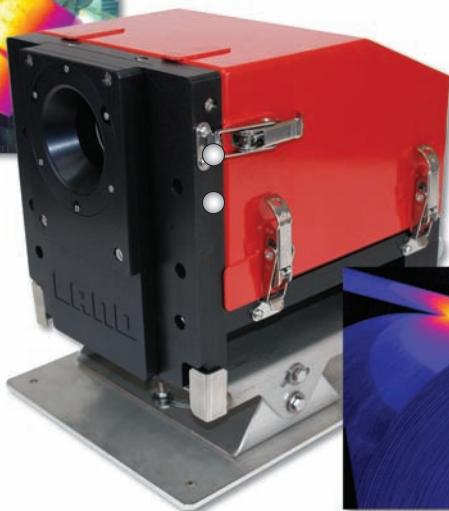
## FTI-E 801

### Thermal Imaging Camera

### Intelligent Design

The FTI-E Thermal Imaging camera is an integral part of the LAND intelligent imaging solution, and is complemented by an extensive range of dedicated system peripherals.

- **LAND Image Processing Software** - On-line system providing flexible, application-specific thermal analysis
- **FTI-E Control Processors** - Optional industrial processor providing local process control, configuration and process visualisation
- **Industrial Housing** - Designed to protect the imager in even the harshest of operating environments and ensures reliable continuous operation



# Specifications

		FTI-E 801	
Temperature range:	50 to 350 °C / 120 to 660 °F		
Spectral response:	nominal 8 to 14 µm		
Frame rate:	30 frames per second		
Image pixels:	320 x 240		
Detector type:	Uncooled amorphous silicon focal plane array		
Field of view (4 x 3):	32 °	16 °	
Focusing Range	0.5 m to infinity 19 in to infinity	1 m to infinity 39 in to infinity	
System temperature measurement accuracy: Conformity	±1% *		
System temperature measurement drift with ambient temperature: (Imager & Control Processor or PC, ° indicated / ° ambient)	0.2 ° indicated / 1 ° ambient (°C or °F)		
System thermal resolution: (rms value)	< 0.15 °C < 0.3 °F		
Ambient temperature range: (Imager, operating)	5 to 50 °C 40 to 120 °F		
Dimensions:	258 x 305 x 330 mm / 10 x 12 x 13 in (fitted inside industrial enclosure)		
Weight	4.5 Kg / 10 lb 20 kg / 44 lb fitted inside industrial enclosure		
Sealing:	IP65 / NEMA 4		
Vibration:	0.5 mm, 10 to 60 Hz; 3g, 60 to 300 Hz		
CE Certification:	EN 61326: 1999 B		

\* ± 1.5 °C / <±3 °F below 150 °C / 300 °F

## Intelligent Imaging

Our Intelligent Imaging solutions aim to solve problems by providing more than just pictures. Each LAND solution offers detailed and accurate temperature information to improve safety and product quality.

Contact LAND today to discuss your requirements for an Intelligent Imaging solution.

# LAND

**Non-Contact Temperature  
Measurement Solutions**

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