

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



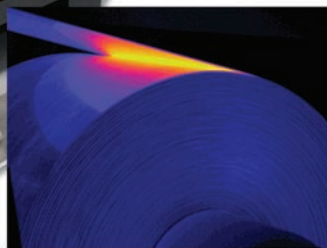
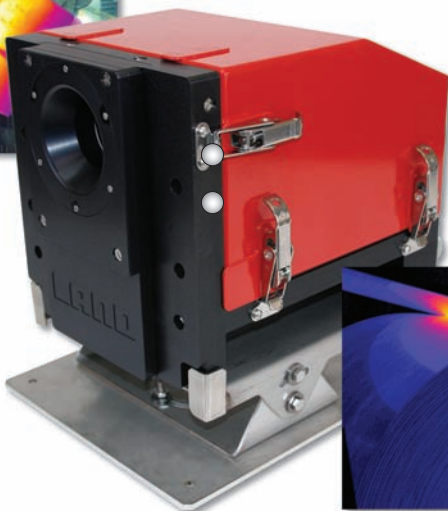
FTI-E 490

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 490	
Temperature range:	150 to 600 °C / 300 to 1110 °F	
Spectral response:	nominal 5 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 format):	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)	< 0.2 °C < 0.36 °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	

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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