



Model number

TI55FT

Other Features

Detector size	320 x 240
Detector type	Uncooled Microbolometer, Focal Plane Array
Field of View (FOV)	23° horizontal x 17° vertical
Spatial Resolution (IFOV)	1.30 mrad
Minimum Focus Distance	0.15m
Thermal Sensitivity (NETD)	≤0.05 °C at 30 °C (50 mK)
Detector data acquisition/ ###Image frequency	60 Hz or 7.5 Hz
Focus	SmartFocus manual
IR Digital Zoom	2x, 4x, 8x
Spectral Band	8 μm to 14 μm

Measurement modes

Centerpoint	Yes
Center box (area, min/max, average)	Yes
User defined spots/boxes	in software only
Advanced on-board analysis functions	Yes
User defined field/text annotations	Yes
Voice annotation	Yes
Automatic hot and cold point detection	Yes

Image presentation

Digital display	5" High Resolution LCD
Video output	RS170 EIA/NTSC or CCIR/PAL composite video
Palettes	8

Optional lenses

54 mm Telephoto	Yes
10.5 mm Wide angle lens	Yes

Image and data storage

Storage medium	> 1000 images on compact flash card (512 MB)
On imager file formats	IS2
File formats supported in software	BMP, JPG, GIF, PNG, TIF, WMF, DOC, PDF, XLS

Imager features

Fully radiometric	Yes
Flash and torch light	Yes
Laser pointer	Yes
Windows CE based navigation menu	Yes
AutoCapture (Programable Image Capture)	Yes
180° articulating lens	Yes
Software included	Yes (SmartView)

Environmental and mechanical design

Operating temperature	-10 to +50°C (14 °F to 122 °F)
Storage temperature	-40 to +70°C (-40 °F to 158 °F)
Relative humidity	10% to 95% non-condensing
Water and dust resistant	IP54
Weight (including batteries)	1.95 kg (4.3 lb)
Camera size (HxWxD)	162 x 262 x 101 mm (6.5 in x 10.5 in x 4.0 in)
Warranty	2 years

Power

Battery type	Li-ion rechargeable battery, field replaceable (2)
Battery operating time	2 hours continuous
Battery re-charge time	3 Hours
AC operation (110/220 VAC, 50/60 Hz)	Yes
Automatic shut down	Yes
Sleep mode	Yes

Applications

Electrical distribution/power generation	Yes
In plant electrical	Yes
Electromechanical	Yes
Mechanical systems	Yes
Electronics	Yes
Other	Yes

IR-Fusion Technology

IR-Fusion Technology	Yes
Full thermal	Yes
Full visual light	Yes
Picture in Picture	Yes
Color Alarm	Yes

Temperature measurement

Temperature range	-20 °C to 600 °C in 3 ranges (-4 °F to 1112 °F in 3 ranges)
Accuracy	±2 °C or 2% whichever is greater
Emissivity correction	Yes

Fluke Corporation
PO Box 9090, Everett, WA USA 98206

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800) 36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

