



Model number	TiR2FT
<b>Other Features</b>	
Detector size	160 x 120
Detector type	Uncooled Microbolometer, Focal Plane Array
Field of View (FOV)	23° horizontal x 17° vertical
Spatial Resolution (IFOV)	2.60 mrad
Minimum Focus Distance	0.15m
Thermal Sensitivity (NETD)	≤0.07 °C at 30 °C (70 mK)
Detector data acquisition/ ###Image frequency	30 Hz or 7.5 Hz
Focus	SmartFocus manual
IR Digital Zoom	2x
Spectral Band	8 μm to 14 μm
<b>Measurement modes</b>	
Centerpoint	Yes
Center box (area, min/max, average)	Yes
User defined spots/boxes	Yes
Advanced on-board analysis functions	Yes
User defined field/text annotations	Yes
Voice annotation	No
Automatic hot and cold point detection	Yes
<b>Image presentation</b>	
Digital display	5" High Resolution LCD
Video output	RS170 EIA/NTSC or CCIR/PAL composite video
Palettes	8
<b>Optional lenses</b>	
10.5 mm Wide angle lens	Yes
<b>Image and data storage</b>	
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
<b>Imager features</b>	
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)
<b>Environmental and mechanical design</b>	
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 (4.29 lb)
Camera size (HxWxD)	162 x 262 x 101 mm (6.5 in x 10.5 in x 4.0 in)
Warranty	2 years
<b>Power</b>	
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
<b>Applications</b>	
Building Diagnostics	Yes
Other	Yes
<b>IR-Fusion Technology</b>	
IR-Fusion Technology	Yes
Full thermal	Yes
Full visual light	Yes
Auto Blending	Yes
Picture in Picture	Yes
Color Alarm	Yes
<b>Temperature measurement</b>	
Temperature range	-20 °C to 100 °C in 1 range (-4 °F to 212 °F in 1 range)
High temperature option	No
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>

©2007 Fluke Corporation. All rights reserved.  
Specifications subject to change without notice.