

# FLIR TG165

Spot Thermal Camera





## SPECIFICATIONS

IR Temperature Measurement	
Basic Accuracy	+/- 1.5% or 1.5°C
Range	-25 to 380°C, -13 to 716°F
Emissivity	4 Pre-Set Levels with Custom Adjustment, 0.1 to 0.99
Dist. to Spot Ratio (D:S)	24:1
Measurement Resolution	0.1 °C / °F
Response Time	150 Milliseconds
Spectral Response	8 to 14µm
Lasers	Dual Diverging Lasers, Frames Temp Measurement Area
Thermal Imaging	
Imaging Detector	FLIR Lepton® Microbolometer Focal Plane Array (FPA)
Shutter	Integrated Automatic Shutter
Image Resolution (H x W)	4,800 Pixels (80 x 60)
Spectral Response	8 to 14µm
Field of View (H x W)	50° x 38.6°
Upper Scene Range	127°C, 260°F (400K)
Thermal Imaging Sensitivity	150mK
Frame Rate	9 Hz
Color Palettes	2 (Grey Scale, Hot Iron)
Saved Image Format	Bitmap (BMP) Image with Temperature and Emissivity
General	
Unit Size (H x W x D)	7.3 x 2.2 x 3.7 in (186 x 55 x 94 mm)
Display Type	2.0 in TFT LCD
Display Resolution (W x H)	38,720 Pixels (176 x 220)
Battery	Rechargeable via Micro USB Lithium-ion Battery: 3.7V, 2600mAh
Auto Power Off	Yes, Adjustable with Disable
Battery Life Hours	Typical Use: Five 8-Hr Work Days; Continuous Use: 8 Hrs
Certifications	CE / CB / FCC / FDA
Memory	8Gb Micro SD Card
Operating Temperature	-10 to 45°C, 14 to 113°F
Drop Test	Designed for 2 Meter, 6.5 Feet
Tripod Mount	1/4 in - 20 on Handle Bottom
Warranty	2 Years Product, and 10 Years Thermal Imaging Detector when registered within 60 days of purchase.
Includes	Lanyard, USB Cable, International Charger (US, UK, EU, AU, CN) 8 Gb Micro SD Card, Technical Documentation

## ORDERING INFORMATION

- TG165** Imaging IR Thermometer  
**TA13** EVA Protective Case for TG165  
**TA14** Belt Holster for TG165

### BELGIUM

FLIR Systems  
Luxemburgstraat 2  
2321 Meer  
Belgium  
PH: +32 (0) 3665 5100

### BRAZIL

FLIR Systems Brasil  
Av. Antonio Bardella, 320  
Sorocaba, SP 18052-852  
Brasil  
PH: +55 15 3238 7080

### HONG KONG

Asia Pacific Headquarters  
FLIR Systems Co. Ltd.  
Room 1613 -16, Tower 2,  
Grand Central Plaza,  
No. 138 Shatin Rural Committee Rd,  
Shatin, New Territories, Hong Kong  
Tel: +852 2792 8955

### CHINA - SHANGHAI

FLIR Systems Co., Ltd.  
K301-302, No. 26 Lane 168  
Daduhe Road, Putuo District  
Shanghai, 200062, P.R. China  
PH: +86-21-5169 8628

### KOREA

FLIR Systems Korea Co., Ltd  
6th Floor, GuGu Building,  
145-18, Samsung-Dong,  
Kangnam-Gu, Seoul, Korea 135-090  
Tel: +82-2-565-2714-7

### JAPAN

FLIR Systems Japan K.K.  
Meguro Tokyu Bldg. 5F,  
2-13-17 Kami-Osaki,  
Shinagawa-ku, Tokyo, 141-0021,  
Japan  
Tel: +81-3-6271-8648

### AUSTRALIA

FLIR Systems Australia Pty Ltd  
10 Business Park Drive  
Notting Hill Vic 3168,  
Australia  
Tel: 1300 729 987  
(NZ: 0800 785 492)

### INDIA

FLIR Systems India Pvt Ltd,  
1111, D-Mall, Netaji Subhash Place,  
Pitampura, New Delhi - 110034,  
INDIA  
Tel: +91-11-4560 3555

### PORTLAND

Corporate Headquarters  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
USA  
PH: +1 866.477.3687

### NASHUA

FLIR Systems, Inc.  
9 Townsend West  
Nashua, NH 02063  
USA  
PH: +1 866.477.3687

www.flir.com  
NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2016 FLIR Systems, Inc. All rights reserved. 111415

