

TI COMMANDER™

TAKE COMMAND!

Unleash the power of the most advanced firefighting thermal imager in the world. Zoom in on far away objects or capture critical thermal scene information with the image capture feature. An advanced Relative Heat Indicator™ (RHI) conveys object temperature levels and alerts you when it encounters hot objects by changing its color based on the heat level. You can even personalize the TI Commander's startup sequence with your own logo or company identifiers.

Retaining legendary Bullard TI features including a thermal throttle for optimal scene analysis, an integrated handle, and internal transmitter capability, the TI Commander sports a larger five inch high performance display, and upgraded direct charge system. Whether it's fire, hazmat, or search and rescue, the TI Commander keeps you in charge.



TI Commander Advantages:

- Larger 5" backlit LCD screen for enhanced viewing and supreme clarity
- Upgraded direct charge system with locking cable
- Proven Raytheon BST technology
- Thermal throttle for sophisticated scene interpretation
- Powerful installable options:
 - 2X Digital zoom
 - Digital image capture
 - Advanced Relative Heat Indicator system
 - Custom startup graphics option

The TI Commander is built **BULLARD TOUGH™**



Zoom in on distant objects when getting closer is unsafe or impractical.



Capture time and date stamped thermal images and print them for reporting and investigative matters.

Bullard®
It's your life and you're worth it.™

Unleash the power of the most advanced firefighting thermal imager available. Call 877-BULLARD for details and to find out how to **upgrade your Bullard Tlx to the TI Commander.**



Head Protection



Respiratory Protection



Fire and Rescue Safety



Thermal Imaging

Bullard TI Commander

Technical Specifications

Overall TI Unit

Weight With battery	6.25 pounds
Without battery	5.5 pounds
Dimensions	Height: 12" Length: 10" Width: 6"
Heat Test	300°F (150°C) for 15 minutes
Impact / Drop Test	No permanent functional damage, 1 meter drop

Casing

Shell Material	Ultem® Thermoplastic
Sealing	Silicone
Strap Material	Kevlar® & Leather
Display Cover	Polycarbonate

Core / Detector

Type	Uncooled Ceramic Focal Plane Array Detector
Resolution	320 x 240 array
Sensing Material	Barium Strontium Titanate Ceramic (BST)
Spectral Response	8 - 14 Microns
Thermal Stabilization	Thermoelectric Cooler
Update Rate	30 Hz
Temperature Sensitivity	0.05° C
Video Output	NTSC

Lens

Lens Material	Germanium
Lens Size	18 mm
Field of View	55°
Distances Optimal Focus	3 feet (1 meter) to infinity

Electrical System

Electrical System Power Source	NiMH Rechargeable Battery
Output	10V
Capacity	2100 mA.hr
Operating Time	1.5 hrs
Charger Single Battery	Single Battery, 120 VAC or 12 VDC
Switch Cycle Test	1,000,000 cycles
Battery Life	1,000 charge cycles
Battery Weight	0.75 pounds

Display

Display type	Liquid Crystal Display (LCD)
Size	5"

Dot Pitch	.107mm (V) x .316mm (H)
Dot Format	960 x 234
Pixel Configuration	Stripe
Display Method	TFT Active Matrix

Transmitter

Transmitter Mounting	Internal
Signal Type	Analog
Antenna Type	Dipole
Transmitting Frequency	2.4 GHz
Power Output	400 mW
Power Supply	Internal
Power Consumption	2.8 W

Frequency Selection	2 or 4 Channel Switch FCC License Part 90
Receiver Power Requirements	11-14.5 VCD (Center Positive)
Power Consumption	250 mA
Power Input	Coaxial 2.1mm x 5.5 mm Center- Positive Connector
Power Supply	120 VAC or 12 VDC
Signal Type	Analog
Receiving Frequency	2.4 GHz
Video Outputs	Two (2) 75-ohm 1-volt video outputs (female BNC)
Nominal Range	300 feet (through typical frame construction)

Relative Heat Indicator

Display Symbology	Thermometer style bar
Unit of Measure	Fahrenheit or Celsius
Temperature Range	0 – 1000° F or (0 - 500° C)

2X Digital Zoom

Switching Mode	Instant toggle
2X Resolution	160 x 120

Digital Image Capture

Image Resolution	320 x 240
Maximum Image Storage	24 bitmap images
Transfer Protocol	RS-232

Carrying Case

Carrying Case Dimensions	18.5" x 15" x 7.5"
Weight – Empty	Approx. 8 pounds

Need funding for Thermal Imaging? Call 877-BULLARD for details on the **inSIGHT™** program!

