T3MAX

Better Under Fire.

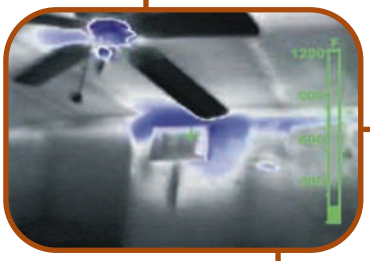
T3MAX is the most versatile small form factor thermal imager on the market. Suited for interior operations and useful for analytical operations via Electronic Thermal Throttle®, the T3MAX is the ideal thermal imager for departments that demand the highest performance in the smallest package.

EXTREME
Performance

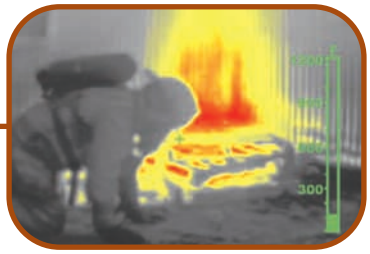
- Engineered Bullard Tough for the most demanding conditions
- Smallest and lightest handheld fire service thermal imager
- Advanced Relative Heat Indicator provides temperature measurement

ELECTRONIC
Thermal Throttle

Use Electronic Thermal Throttle to isolate heat sources. This feature enables firefighters to optimize the scene with the touch of a button. Ideal for pinpointing hot spots during overhaul, searching for overheated electrical equipment and distinguishing hotter objects from cooler ones, Electronic Thermal Throttle saves you critical time and prevents costly mistakes.



Electronic Thermal Throttle



Super Red Hot

SUPER
Red Hot

With the Super Red Hot feature, heat levels are identified by colors. Starting at 500ºF, heated objects are tinted yellow and gradually transition to solid red as heat levels rise. The Super Red Hot feature reveals specific heat layers alerting firefighters to areas of intense heat and more effectively identifies the spread of fire.

Bullard®

www.bullard.com

T3MAX

Technical Specifications

Overall TI Unit

Weight with battery	2.7 pounds (43 oz) (1.2 kg)
Without battery	2.1 pounds (34 oz) (0.96 kg)
Dimensions	Height: 4 3/4" (120 mm) Length : 4" (101 mm) Width : 7" (178 mm)
Heat Test	500°F (260°C) for 8 minutes
	300°F (150°C) for 16 minutes
Water Resistance	IP67
Impact/Drop Test	No functional damage, 6' (2 meter) drop

Casing

Shell Material	Ultem® Thermoplastic
Sealing	Silicone and Neoprene®
Strap Material	Kevlar®
Lens Window	Germanium (2 mm thick)
Display Cover	Polycarbonate

Core/Detector

Type	Uncooled Microbolometer with Digital Processing, Pixel Smoothing
Resolution	160 x 120 array
Sensing Material	Amorphous Silicon
Spectral Response	7.5 - 14 Microns
Thermal Stabilization	-40ºF to 175ºF (-40ºC to 85ºC)
Update Rate	30 Hz
Temperature Sensitivity	0.05°C
Video Output	NTSC
NETD	50 mK
Dynamic Range	1100ºF (Nominal 600ºC)
Pixel Pitch	30 μm
Thermal Time Constant	10 ms
Video Polarity	White-Hot
Relative Heat Indicator (temperature measurement)	Sliding Bar Scale
Super Red Hot	Color above 500ºF (Nominal 250ºC)

Lens

Material	Germanium
Lens Size	5.8 mm
Field of View	37.5ºV x 50.0ºH
Focus	Fixed 3' to infinity
Speed	f/1.0

Electrical System

Power Source	NiMH Rechargeable Battery or Alkaline Batteries (8 cells)
Output	10V nominal
Capacity	1600 mAH
Operating Time	2.5 hours nominal
Start Up Time	5 seconds
Charger Single Battery	120 VAC or 12 VDC
Switch Cycle Test	1,000,000 cycles
Battery Life	1,000 charge cycles
Battery Weight	0.6 pounds (9.5 oz.) (270 g)
Recharge Time	1 hour nominal

Display

Type	Digital Liquid Crystal Display (LCD)
Size	3.5" Diagonal (71.76 x 52.4 mm) TFT Active Matrix
Dot Pitch	188 mm (V) x 160 mm (H)
Dot Format	384 X 234 Dots
Pixels	89,856
Pixel Configuration	R-B-G Delta Configuration
Display Method	NTSC
Back Light	Fluorescent Lamp
Brightness	400 cd/m²
Viewing Angle	Left/Right = 60º, Up = 35º, Down = 60º

NOTE

Comes standard with two batteries, AC/DC battery charger, carrying strap, interactive training CD-ROM and instruction manual in a protective cardboard carrying case. The T3MAX has an anti-RFI coating and can be adapted to mount a handle or transmitter. The T3MAX is covered by a 12 month warranty on all parts and labor and a lifetime housing warranty.*

*Limitations and exclusions apply.

Americas:
E.D. Bullard Company
1898 Safety Way • Cynthiana, KY 41031-9303
Toll free: 877-BULLARD (285-5273)
Tel: 859-234-6616 • Fax: 859-234-8987
www.bullard.com

Europe:
Bullard GmbH
Lilienthalstrasse 12
53424 Remagen • Germany
Tel: +49-2642 999980 • Fax : +49-2642 9999829
www.bullardextrem.com

Asia-Pacific:
Bullard Asia Pacific Pte. Ltd.
LHK Building
701, Sims Drive, #04-03 • Singapore 387383
Tel: +65-6745-0556 • Fax: +65-6745-5
www.bullard.com

ISO 9001 certified

8096 (0308)