

THERMAL IMAGING JUST GOT PERSONAL.

A fully equipped crew means an advanced thermal imager in the lead, supported by an Eclipse in the hands of every firefighter. No one is left in the dark. Introducing the first low-cost, ultra-small form factor handheld thermal imager...built Bullard Tough. $^{\text{TM}}$

Personal-Issue Thermal Imaging

Eclipse was designed to equip each firefighter with thermal imaging technology. Shattering price barriers, Eclipse gives fire departments of all sizes the opportunity to bring thermal imaging to more firefighters.

Navigational and Search & Rescue Thermal Imaging

Eclipse can help prevent disorientation in a fire and assist in search & rescue. This personal-issue thermal imager is easy to use and helps increase firefighter safety:

- Ultra-small form factor is super lightweight at only 1.5 lbs.
- Easy, one-button operation
- · Designed to clip to firefighter gear
- · Enhances crew accountability
- Speeds searches and increases efficiency
- · Thermal imager management system

Built Bullard Tough

Eclipse – with its small and lightweight form factor – is engineered Bullard Tough. Eclipse is designed to withstand the extreme environments firefighters face, and yet still be small enough to easily clip to firefighters' gear. Eclipse can be purchased with an Eclipse Powerhouse™ charger to help ensure your TI is always duty-ready. A retractable strap can be added to keep your hands free and your Eclipse safe. Bullard also offers an extended warranty, SmartLine™ online training and a desktop charger.

At last, thermal imaging is in the grasp of every fire department. Another innovation from the leader in thermal imaging.

Integrated Software System

Each Eclipse Thermal Imager comes with Eclipse Control Panel software, which gives you access to customized display graphics, an advanced troubleshooting system, and future downloadable upgrades.





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Technical Specifications



Weight with battery 24 oz.
Without battery 20 oz.
Dimensions Height: 3.4" Length: 6.5" Width: 4"
Heat Test 500°F for 5 minutes
300°F for 13 minutes
Water Resistance IP67
Impact/Drop Test No functional damage, 6' drop

Casing

Shell Material Ultem® Thermoplastic
Sealing Silicone and Neoprene®
Display Cover Polycarbonate

Core/Detector

Uncooled Microbolometer with Digital Processing, Туре **Pixel Smoothing** 80 x 60 array Resolution Vanadium Oxide Sensing Material Spectral Response 7-14 Microns Thermal Stabilization $0^{\circ}F$ to $175^{\circ}F$ Update Rate 30 Hz **Temperature Sensitivity** $< 0.075^{\circ}C$ Video Output NTSC < 75mK NETD Dynamic Range 1020°F Pixel Pitch $30 \mu m$

Lens

Video Polarity

Thermal Time Constant

MaterialGermaniumLens Size14mmField of View33°V x 45°HFocusFixed 3' to infinitySpeedf/1.25

Electrical System

Power Source NiMH Rechargeable Battery or Alkaline Batteries (2 cells) Output 2.4V nominal Capacity 2350 mAH Operating Time > 3 hours nominal Start Up Time < 4 seconds **Charger Single Battery** 120 VAC or 12 VDC Switch Cycle Test 1,000,000 cycles Battery Life 1,000 charge cycles **Battery Weight** 4 oz. Recharge Time 2 hours nominal

Display

Digital, Liquid Crystal Display (LCD) Type Size 2.4" Diagonal TFT Active Matrix Dot Pitch 0.3mm x 0.1525mm 160 x RGB x 234 **Dot Format** Pixels 112,320 **Pixel Configuration** DELTA Back Light L.E.D. Brightness 250 cd/m2 Viewing Angle Left/Right = 50° , Up/Down = $35^{\circ}/15^{\circ}$

Accessories

11ms White-Hot





Eclipse Powerhouse™ Charger

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: +65-6745-5176
www.bullard.com