

SEE THE CLARITY.



## Bullard Tough on a Budget

EcoX is the economical solution for budget constrained departments to put more Bullard Tough thermal imagers in the hands of firefighters.

### Performance meets **AFFORDABILITY**

- Simple one button operation
- 240 x 180 resolution for clear, crisp, detailed images
- Basic Super Red Hot colorization highlights high-heat scenes in yellow, orange, and red
- Temperature measurement
- Includes two batteries, desktop charger, and data cable assembly

### **SMALL** and Lightweight

- 2.75" display in an easy-to-hold design
- Weighing only 1.9 lbs.

### **FIVE YEAR** Warranty

All X Factor Thermal Imagers come standard with a five-year, industry-leading, full service warranty on parts and labor. Upgrade to the CareFree® warranty to get five years of coverage on batteries.



EcoX is standard with Basic Super Red Hot and Temperature Measurement

**Bullard**  
**TOUGH**

www.bullard.com





## Technical Specifications

### Physical

- Configuration Small Handheld Thermal Imager
- Weight (w/ battery) 1.9 lbs.
- Weight (w/o battery) 1.65 lbs.
- Dimensions Height: 5.2", Length: 7.7", Width: 4.3"
- Housing Material Ultem® Thermoplastic
- Housing Colors Lime-Yellow only

### Electrical

- Power Source NiMH Rechargeable Battery
- Battery Capacity 1650 mAh
- Battery Cycles > 800 @ 70% Capacity
- Start-up Time < 4 Seconds
- Operating Time 2 Hours
- Recharge Time 2 Hours

### Infrared Detector

- Detector Type Microbolometer
- Detector Sensing Material Vanadium Oxide
- Detector Resolution 240 x 180
- Spectral Response 7-14 Microns
- Update Rate 30 Hz
- NETD < 50 mK
- Dynamic Range 1100° F
- Pixel Pitch 17 μm
- Video Polarity White-Hot

### Lens

- Material Germanium
- Field of View 23° V x 34° H
- Focus 1 meter to infinity
- Speed f/1.3

### Display

- Type Digital, Liquid Crystal Display (LCD)
- Size 2.75" Diagonal TFT Active Matrix
- Pixel Format RGB
- Brightness 500 cd/m<sup>2</sup> (minimum)
- Contrast Ratio 350:1 (typical)
- Viewing Angle (Typical) Top = 60°, Bottom = 40°, Left / Right = 60°

### Standard Features and Accessories

- Temperature Measurement Numeric and Bar Style
- Basic Super Red Hot Color above 500°F

### Performance

- 500° F Heat Resistance 5 minutes with no damage to electronics
- 300° F Heat Resistance 15 minutes of continued operation with no damage
- -20° F Cold Resistance Continued operation
- Water Resistance IP67
- Impact Resistance 6 foot drops on concrete with no damage



Retract Strap

Charger Base



PowerUp

Powerhouse Charger/  
Analyzer/Conditioner



## Accessories



www.buildyourbullard.com

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