



### T4X Thermal Imager

Article No.: 90177BD376

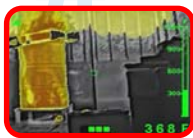
Bullard®, the leading manufacturer of thermal imagers for the fire service, sets the standard for high performing thermal imagers with the top of the line T4. This state-of-the-art thermal imager integrates an ultra-high resolution infrared engine, widescreen display, digital zoom, SuperRed Hot™ colorization and Electronic Thermal Throttle® for maximum performance and jawdropping clarity. Extreme performance meets extreme expectations.



X Factor Technology  
featuring **SUPER RED HOT**



Fast



Present



Electronic Thermal Throttle®

### OUTSTANDING PERFORMANCE

The T4X uses infrared engine technology running at an ultra-fast 60 Hertz image update rate and incorporates **Image Contrast Enhancement (ICE™)** technology for the ultimate image performance in fire conditions. Loaded standard with advanced features in a 320 x 240 ultra-high resolution, the T4X gives fire departments everything needed in a high-performance thermal imager.

### BRIGHTEST LCD DISPLAY

LCD display greatly increases brightness and improves contrast, enabling firefighters to see more clearly in thick smoke and direct sunlight. The 4.3" **Widescreen** format is the largest in the market.

### ADVANCED FEATURES

The T4X is loaded standard with advanced features, including Bullard's exclusive **Electronic Thermal Throttle®**, which enables firefighters to optimize scenes with the touch of a button; Super Red Hot colorization that alerts firefighters to areas of intense heat; temperature measurement in numeric and relative heat indicator formats; and 2x and 4x digital zoom.

### NEW LOOK AND FEEL

The T4X is distinguishable from other thermal imagers with a cool, blue metallic swirl color. Multiple colors are also available.

### ICE™ Image Processing

Equipped with ICE, the T4X provides superior infrared imagery utilizing state-of-the-art image processing techniques. ICE technology sharpens the distinction between objects and backgrounds and optimizes the image for greater clarity. With ICE, firefighters can detect beyond the fire.



Doc. Control:	Rev.: 3.2	Date: April 10, 2016
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## TECHNICAL SPECIFICATION

### Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	3.25 lbs.
• Weight (w/o battery)	2.65 lbs.
• Dimensions	Height: 5.7", Length: 8.0", Width: 5.8"
• Housing Material	Ultem® Thermoplastic
• Housing Colors	Metallic Blue, Blue, Yellow, Lime-Yellow, Red, Orange, White, Black

### Electrical

• Power Source	NiMH Rechargeable Battery
• Battery Capacity	1650 mAh
• Battery Cycles	> 800 @ 70% Capacity
• Start-up Time	< 4 Seconds
• Operating Time	>4.5 Hours
• Recharge Time	2 Hours

### Infrared Detector

• Detector Type	Microbolometer
• Detector Sensing Material	Vanadium Oxide
• Detector Resolution	320 x 240
• Spectral Response	7-14 Microns
• Update Rate	60 Hz
• NETD	< 30 mK
• Dynamic Range	1100° F
• Pixel Pitch	17 µm
• Video Polarity	White-Hot

### Lens

• Material	Germanium
• Field of View	31° V x 40° H
• Focus	1 meter to infinity
• Speed	f/1.3
• Cover Window	Germanium

### Display

• Type	Digital, Liquid Crystal Display (LCD)
• Size	4.3" Diagonal TFT Active Matrix
• Pixel Format	RGB
• Brightness	600 cd/m2 (minimum)
• Contrast Ratio	400:1 (typical)
• Viewing Angle (Typical)	Top = 30°, Bottom = 50°, Left / Right = 70°



### Features and Accessories

- Temperature Measurement      Numeric and/or Bar Style
- Super Red Hot                      Color above 500°F
- Electronic Thermal Throttle      Manually activated Blue Hot Spot Colorization
- SceneCatcher Digital Video Recorder, optional (via attachable handle)
  - Video Format                      NTSC
  - Video File Type                  AVI
  - Video Image Size                720 x 480
  - Video Record Time              5 hours
  - Connection                        USB
- Transmitter, optional (via attachable handle)
  - Channels                            2 @ 2.4 GHz
  - Signal Type                        Analog
  - Power Output                      750 mW
  - Range                                600 feet through typical frame construction
- TacPort, optional (via attachable module) Provides video out and power input from AC / DC sources

### 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

\* Without DVR or transmitter operating

## Accessories

Alkaline Pack



MobileLink Handheld Receiver



SceneCatcher & Transmitter



Powerhouse Charger



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