



The Best Image Quality. Ever.

The T3X offers firefighters an economic thermal imager in a favorite handheld design equipped with the newest state-of-the-art infrared engine technology for the highest image quality and performance ever.



**Bullard**  
*extrem*

## OUTSTANDING Performance

The T3X uses infrared engine technology running at an ultrafast 60 Hertz image update rate and incorporates Image Contrast Enhancement (ICE™) technology for the ultimate image performance in fire conditions. Available in a 240 x 180 or 320 x 240 ultra high resolution to accommodate your budget. The 320 x 240 resolution is upgradable for aftermarket purchases. The T3X, with its wide selection of advanced features, is perfectly suited for any firefighting mission.

## BRIGHTEST LCD Display

The new display on the T3X greatly increases brightness and improves contrast, enabling firefighters to see more clearly in thick smoke, bright light and direct sunlight.

## ADVANCED Features

Standard on the T3X is Super Red Hot colorization, highlighting high-heat scenes in brilliant shades of yellow, orange, and red, and temperature measurement in numeric and relative heat indicator formats. Bullard's exclusive Electronic Thermal Throttle® which enables firefighters to optimize scenes with the touch of a button, is optional.

## FIVE YEAR Warranty

All new X Factor Thermal Imagers come standard with a five-year, industry-leading, full-service warranty on parts and labor. All new X- Factor Thermal Imagers also come standard with a ten-year detector warranty.

All new batteries come standard with a two-year warranty. The outer shell is covered by a lifetime warranty, which is worldwide unique in the fire market.



X Factor  
Technology  
featuring  
Super Red Hot



Past



Present



Electronic Thermal  
Throttle® (optional)

## ICE™ Image Processing

Equipped with ICE, the T3X 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.

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**3X**

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Group

## Technical Specifications



### Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	1,100 kg
• Weight (w/o battery)	0,885 kg
• Dimensions (L x W x H)	175 x 100 x 140 mm
• Housing Material	Ultem® Thermoplastic
• Housing Color (standard)	Metallic Blue

### Electrical

• Power Source	NiMH Rechargeable Battery
• Battery Capacity	1650 mAh
• Battery Live	> 800 Cycles
• Start-up Time	< 4 Seconds
• Operating Time	> 5 Hours*
• Recharge Time	< 2 Hours

### Infrared Detector

• Detector Type	Uncooled Microbolometer
• Detector Sensing Material	Vanadium Oxide (VOx)
• Detector Resolution	320 x 240 Array
• Spectral Response	7-14 Microns
• Update Rate	60 Hz
• Temperature Sensitivity	< 0,03 °C
• NETD	< 30 mK
• Dynamic Range	600 °C
• Pixel Pitch	17 µm
• Video Polarity	White - Hot

### Display

• Type	Digital, Liquid Crystal Display (LCD)
• Size	3,5" Diagonal TFT Active Matrix
• Pixel Format	RGB
• Brightness	500 cd/m2
• Contrast Ratio	350:1
• Viewing Angle	Left / Right = 60°, Top = 60°, Bottom = 40°

### Lens

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

### Standard Features

• Temperature Measurement	Numeric and/or Bar Style
• Super Red Hot	Color above 260 °C

### Optional Features and Accessories

• Electronic Thermal Throttle	Manually activated Blue Hot Spot Colorization
• Digital Video Recorder - SceneCatcher	Via attachable handle
– Video File Type	NTSC
– Video File Type	AVI
– Video Image Size 7	20 x 480 Array
– Video Record Time Min.	300 photos and 5 hours video
– Connection	USB
• Transmitter	Via attachable handle
– Signal Type	Analog
– Antenna	Dipole
– Channels	2-channel switch
– Frequencies/Power Output	According to European R&TTE Directives
• Handheld Receiver - MobileLink	Receives transmitted videos
• TacPort (via attachable module)	Provides video out and power input

### Performance

• Water Resistance	IP67
• Impact Resistance	~ 2 m drops with no damage
• Heat Resistance / 1000 °C	Short time with no functional damage
• Heat Resistance / 260 °C	5 minutes with no functional damage
• Heat Resistance / 150 °C	15 minutes with no functional damage
• Cold Resistance / -29 °C	Continued operation

\* Without DVR or transmitter operating

### PowerUp

## Accessories

Alkaline  
Pack



MobileLink  
Handheld  
Receiver



SceneCatcher  
& Transmitter



Powerhouse  
Charger

