



The Best Image Quality. Ever.

SEE THE CLARITY.

The T4X combines advanced features and the industry's largest widescreen display with the newest state-of-the-art infrared engine technology for the ultimate in thermal imaging performance.



THERMAL IMAGERS

Bullard
extrem

OUTSTANDING Performance

The T4X 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. 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

The new display on the T4X greatly increases brightness and improves contrast, enabling firefighters to see more clearly in thick smoke, bright light 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.

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.

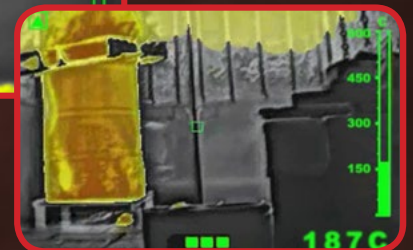
All new batteries come standard with a two-year warranty. The outer shell is covered by a lifetime warranty, which is worldwide unique in the fire market.



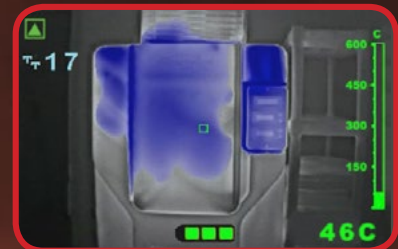
X Factor
Technology
featuring
Super Red Hot



Past



Present



Electronic Thermal
Throttle® (optional)

ICE™ Image Processing

Equipped with ICE, the 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.



www.bullard.com



Technical Specifications



Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	1,400 kg
• Weight (w/o battery)	1,185 kg
• Dimensions (L x W x H)	203 x 147 x 145 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	> 4,5 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	4,3" Diagonal TFT Active Matrix
• Pixel Format	RGB
• Brightness	600 cd/m2
• Contrast Ratio	400:1
• Viewing Angle	Left / Right = 70°, Top = 30°, Bottom = 50°

Lens

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

Standard Funktionen

• Temperature Measurement	Numeric and Bar Style
• Super Red Hot	Color above 260 °C
• Electronic Thermal Throttle	Manually activated Blue Hot Spot Colorization
• Digital Zoom	Manually activated 2x and 4x Zoom

Optional Features and Accessories

• SceneCatcher Digital Video Recorder	Via attachable handle
– Video File Type	NTSC
– Video File Type	AVI
– Video Image Size	720 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

Accessories

Alkaline Pack



MobileLink Handheld Receiver



SceneCatcher & Transmitter



Powerhouse Charger



BUILD YOUR Bullard®

www.buildyourbullard.com

Americas:
Bullard
 1898 Safety Way
 Cynthia, KY 41031-9303 • USA
 Toll-free within USA: 877-BULLARD (285-5273)
 Tel: +1-859-234-6616
 Fax: +1-859-234-8987

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

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

©2016 Bullard. All rights reserved.
 Eclipse and Electronic Thermal Throttle are registered trademarks of Bullard.
 Image Contrast Enhancement (ICE™) is a trademark of DRS Technologies.
 Ultem is a registered trademark of General Electric.
 8566 GMBH EN DRAFT (0216)