

ECO

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.

SEE THE CLARITY.



THERMAL IMAGERS

Bullard extrem

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 0,86 kg

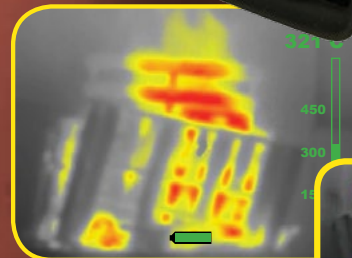
FIVE YEAR Warranty

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.



EcoX is standard with Basic Super Red Hot and Temperature Measurement



Past



Present

BETTER UNDER FIRE.



www.bullard.com



Technical Specifications



Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	0,86 kg
• Weight (w/o battery)	0,75 kg
• Dimensions (LxWxH)	196 x 132 x 109mm
• Housing Material	Ultem® Thermoplastic
• Housing Color	Lime-Yellow

Electrical

• Power Source	NiMH Rechargeable Battery
• Battery Capacity	1650 mAh
• Battery Cycles	> 800
• 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
• Temperature Sensitivity	0,05°C
• NETD	50 mK
• Dynamic Range	600° C
• Pixel Pitch	17 µm
• Video Polarity	White-Hot

Lens

• Material	Germanium
• Field of View	34° H x 23° V
• 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 ² (minimum)
• Contrast Ratio	350:1
• 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 260°C

Performance

• Water Resistance	IP67
• Impact Resistance	~2m drops on concrete 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



Retract Strap



Battery
Charger Base

PowerUp



Powerhouse
Charger



Accessories



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

©2016 Bullard. All rights reserved.
 Image Contrast Enhancement (ICE™) is a trademark of
 DRS Technologies.
 Ultem is a registered trademark of General Electric.
 8543 GMBH EN (0216)

www.bullard.com