

ECO

**LOWEST-PRICED
FIREFIGHTING
THERMAL
IMAGER**

ECO is a high performance thermal imager that's affordable and built Bullard Tough! Equipped with advanced features, ECO offers firefighters the highest performance, quality, and durability in a lightweight design.

Bullard
extrem

GREAT PERFORMANCE

- 160x120 resolution for clear, crisp, detailed images
- Super Red Hot colorization highlights high-heat scenes in brilliant shades of yellow, orange, and red
- Temperature measurement in numeric and bar style

SMALLEST AND LIGHTEST

- Smallest and lightest handheld firefighting thermal imager on the market
- Weighing only 0,680 kg

LOWEST PRICE

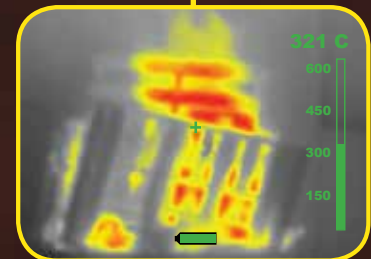
- ECO is the lowest-priced firefighting thermal imager in the world...and most resistant to heat, cold, water, and shock

ECO THERMAL IMAGER SYSTEM

- Special Edition lime yellow case
- One button operation
- Super Red Hot Colorization
- Spot temperature measurement
- One battery, charger, and necessary cables



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ECO with Super Red Hot Colorization

myBullard™ - SOFTWARE SYSTEM

ECO Thermal Imager ships with the myBullard™ Software, a personal control panel for you to register, inventory, maintain, service, and enhance your thermal imaging products and accessories.

BETTER UNDER FIRE.

For more information visit: www.bullard.com/ECO



www.bullard.com

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Technical Data



Weight

With battery:	0,680 kg
Without battery:	0,570 kg

Dimensions

L x H x W	165 x 86 x 101 mm
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Heat Test

150°C for 15 minutes
260°C for 5 minutes
1000°C short time

Water Resistance

IP67

Impact Test

No functional damage after 2 m drop

Casing

Shell Material	Lime-Yellow Ultem® Thermoplastic
Sealing	Silicone and Neoprene®
Display Cover	Polycarbonate

Core/Detector

Type	Uncooled Microbolometer with Digital Processing, Pixel Smoothing
Resolution	160 x 120 array
Sensing Material	Amorphous Silicon
Spectral Response	8-14 Microns
Thermal Stabilization	-20°C to 85°C
Update Rate	30 Hz
Temperature Sensitivity	< 0,050°C
Video Output	NTSC
NETD	< 50mK
Pixel Pitch	17 µm
Thermal Time Constant	12ms
Temperature Measurement	Numeric and bar style
Super Red Hot Colorization	Color above 250°C

Lens

Material	Germanium
Lens Size	7,5mm
Field of View	31,5°V x 42°H
Focus	0,75m Fixed to infinity
Speed	f/1,4

Electrical System

Power Source	NiMH Rechargeable Battery
Output	2,4V nominal
Capacity	1650 mAh
Operating Time	> 3 hours nominal
Start Up Time	< 4 seconds
ECO Desktop Charger	20 VDC Input
ECO Powerhouse Charger	12-24 VDC Input
Switch Cycle Test	1.000.000 cycles
Battery Weight	0,110 kg
Recharge Time	2 hours nominal

Display

Type	Digital, Liquid Crystal Display (LCD)
Size	2,4" Diagonal TFT Active Matrix
Dot Pitch	0,1mm x 0,1525mm
Dot Format	160 x RGB x 234
Pixels	37.440
Pixel Configuration	R-G-B Delta Configuration
Back Light	L.E.D.
Brightness	250 cd/m2
Viewing Angle	Left/Right = 45°, Up/Down = 40°/20°

NOTE ECO comes standard with 1 rechargeable battery, battery charger for 230V, instruction manual and myBullard-Software with online training access. The ECO is covered by a 24 month warranty on all parts and labor and a lifetime housing warranty.

Accessories



POWERUP



ECO Retract Strap



ECO Charger Base



ECO Powerhouse
Truck-Mount Charger

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