



PERSONAL PROTECTIVE EQUIPMENT



## **Eclipse LDX Thermal Imager**

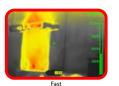
Article No.: 90177BD377

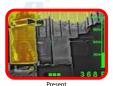
Eclipse is the first low-cost, Ultra-small form factor, handheld thermal imager designed to help give "sight" to each firefighter inside a blaze. Developed to provide firefightersnavigational & search/rescue assistance, Eclipse gives departments the opportunity to equip more firefighters with thermal imaging technology.

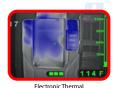
Getting a thermal imager into the hands of everyfirefighter was just a vision a few years ago. Today, Bullard makes that vision a reality with the introduction of Eclipse.











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### **OUTSTANDING PERFORMANCE**

The Eclipse LDX 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.

- Housed in a compact
- Sleek design
- Eclipse LDX is available in 240 X 180 and 320 x 240 resolutions to accommodate your budget.

#### BRIGHTEST LCD DISPLAY

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

#### **ADVANCE FEATURES**

Available as optional features on the Eclipse LDX are Bullard's patented **Electronic Thermal Throttle**® that enables firefighters to pinpoint hot spots with the touch of a button and Super Red Hot colorization, highlighting high-heat scenes in brilliant shades of yellow, orange, and red.

Customizable temperature measurement in both numeric and relative heat indicator formats and an integrated DVR are also optional features.

## **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.







# **Eclipse Thermal Imager**

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#### TECHNICAL SPECIFICATION

#### **Physical**

• Configuration Small Handheld Thermal Imager

Weight (w/ battery)Weight (w/o battery)895g800g

• Dimensions H: 109mm, L: 198mm, W: 132mm

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 TimeOperating TimeRecharge Time4 Seconds3 Hours2 Hours

#### **Infrared Detector**

Detector Type Microbolometer
 Detector Sensing Material Vanadium Oxide
 Detector Resolution 240 x 180 or 320 x 240

Detector Resolution
 Spectral Response
 Update Rate
 NETD
 Dynamic Range
 Pixel Pitch
 240 x 180 or 3
 67 3
 7-14 Microns
 60 Hz
 50 mK
 600
 17 μm

#### Lens

Video Polarity

Material Germanium
 Field of View 30° V x 40° H

• Focus Fixed 1 meter to infinity

• Speed f/1.4

#### Display

TypeDigital, Liquid Crystal Display (LCD)Size3.5" Diagonal TFT Active Matrix

• Pixel Format RGB

• Brightness 500 cd/m2 (minimum)

• Contrast Ratio 350:1 (typical)

• Viewing Angle (Typical) Top =  $60^{\circ}$ , Bottom =  $40^{\circ}$ , Left / Right =  $60^{\circ}$ 

White-Hot

### Features and Accessories (optionally installed in unit)

• Temperature Measurement Numeric and/or Bar Style

• Super Red Hot Color above 260

Easy to hold, ergonomic housing design

Field-replaceable

display

• Electronic Thermal Throttle Manually activated Blue Hot Spot Colorization

• SceneCatcher Digital Video Recorder

Video Format
Video FileType
Video Image Size
Video Record Time
Connection
NTSC
AVI
720 x 480
5 hours
USB

#### **Performance**

• Water Resistance

• Impact Resistance

• 260 Heat Resistance 5 minutes with no damage

to electronics

• 150 Heat Resistance 15 minutes of continued

operation with no damage

ield-replaceable shock absorbing glareshield

• -29 Cold Resistance Continued operation

IP67

2 m drops on concrete with no damage

#### **Accessories**





Eclipse Battery Charger Base





Eclipse Powerhouse Charger

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