

SEE THE CLARITY.



THERMAL IMAGERS

eclipse® LDX

## The Best Image Quality. Ever.

Enhanced with the newest state-of-the-art infrared engine technology, the Eclipse® LDX offers the fire service the highest image quality and performance on the market.

## 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, the Eclipse LDX is available in 240 X 180 and 320 x 240 resolutions to accommodate your budget.

## BRIGHTEST LCD Display

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

## ADVANCED Features

Now standard on the Eclipse LDX 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.

## BEST Ergonomics

The Eclipse LDX is distinguishable from other thermal imagers with its uniquely focused compact ergonomic design specifically for the fire service and a cool, blue metallic swirl color. Multiple colors are also available. Additionally, the imager's power button design enables easy powering on and off with a gloved hand.

## FIVE YEAR Warranty

All X Factor Thermal Imagers come standard with a five-year, industry leading, full service warranty on parts and labor. Upgrade to the CareFree® warranty to get five years of coverage on batteries.

### ICE™ Image Processing

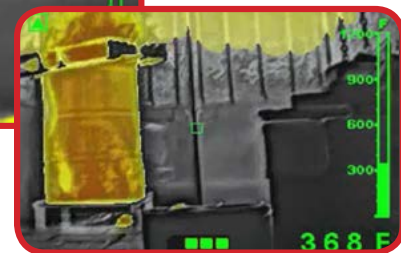
Equipped with ICE, the Eclipse LDX provides superior infrared imagery utilizing state-of-the-art image processing techniques. ICE technology sharpens the distinction between objects and backgrounds and optimizes the image for greater clarity. With ICE, firefighters can detect beyond the fire.



X Factor Technology featuring Super Red Hot



Past



Present



Electronic Thermal Throttle® (optional)

**Bullard**  
**TOUGH**

www.bullard.com

 **Bullard®**



## Technical Specifications

### Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	1.9 lbs. (DVR does not significantly increase weight)
• Weight (w/o battery)	1.65 lbs.
• Dimensions	Height: 5.2", Length: 7.7", Width: 4.3"
• 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 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 or 320 x 240
• Spectral Response	7-14 Microns
• Update Rate	60 Hz
• NETD	< 50 mK
• Dynamic Range	1100° F
• Pixel Pitch	17 μm
• Video Polarity	White-Hot

### Lens

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

### Display

• Type	Digital, Liquid Crystal Display (LCD)
• Size	3.5" Diagonal TFT Active Matrix
• Pixel Format	RGB
• Brightness	500 cd/m <sup>2</sup> (minimum)
• Contrast Ratio	350:1 (typical)
• Viewing Angle (Typical)	Top = 60°, Bottom = 40°, Left / Right = 60°

### Standard Features and Accessories

• Temperature Measurement	Numeric and Bar Style
• Super Red Hot	Color above 500°F

### Optional Features and Accessories

• Electronic Thermal Throttle	Manually activated Blue Hot Spot Colorization
• SceneCatcher Digital Video Recorder	
– Video Format	NTSC
– Video File Type	AVI
– Video Image Size	720 x 480
– Video Record Time	5 hours
– Connection	USB

### Performance

• 500° F Heat Resistance	5 minutes with no damage to electronics
• 300° F Heat Resistance	15 minutes of continued operation with no damage
• -20° F Cold Resistance	Continued operation
• Water Resistance	IP67
• Impact Resistance	6 foot drops on concrete with no damage

\* Without DVR operating

## Accessories



Eclipse  
Retract Strap

Eclipse Battery  
Charger Base



Eclipse  
PowerUp

Eclipse Powerhouse  
Charger



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