

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.



X Factor Technology featuring Super Red Hot

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 320 x 240 resolution 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

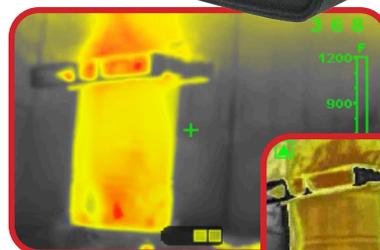
Now standard on the Eclipse LDX is Super Red Hot colorization, highlighting high-heat scenes in brilliant shades of yellow, orange, and red and temperature measurement in numeric and relative heat indicator formats. Bullard's exclusive Electronic Thermal Throttle®, which enables firefighters to optimize scenes with the touch of a button, is optional.

BEST Ergonomics

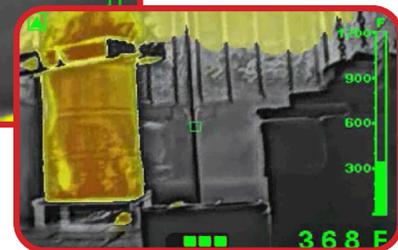
The Eclipse LDX is distinguishable from other thermal imagers with its uniquely focused compact ergonomic design specifically for the fire service and a cool, blue metallic swirl color. Multiple colors are also available. Additionally, the imager's power button design enables easy powering on and off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

FIVE YEAR Warranty

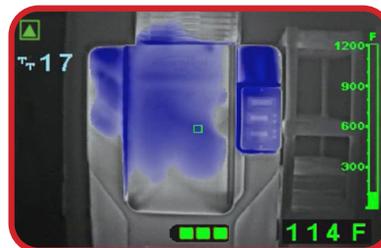
All X Factor Thermal Imagers come standard with a five-year, industry leading, full service warranty on parts and labor (excluding batteries).



Past



Present



Electronic Thermal Throttle® (optional)

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.



www.bullard.com



eclipse® LDX

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 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/m² (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 Powerhouse
Charger



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Ultem is a registered trademark of General Electric.
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