

eclipse® LDX

SEE THE CLARITY.



THERMAL IMAGERS

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.

Bullard extrem

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

ADVANCED Features

Temperature measurement in numeric and/or relative heat indicator formats and Super Red Hot colorization, highlighting high-heat scenes in brilliant shades of yellow orange and red come standard with the Eclipse LDX. Available as optional features are Bullard's patented Electronic Thermal Throttle® that enables firefighters to pinpoint hot spots with the touch of a button and an integrated Digital Video Recorder.

NEW Look & Feel

The Eclipse LDX is distinguishable from other thermal imagers with a cool, blue metallic swirl color. Additionally, the imager has an improved power button design that enables easier powering on and off with a gloved hand.

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.

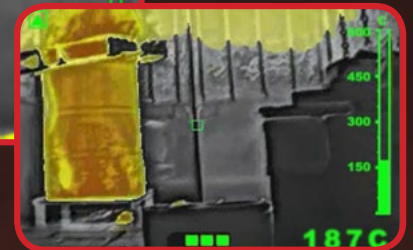
All new batteries come standard with a two-year warranty. The outer shell is covered by a lifetime warranty, which is worldwide unique in the fire market.



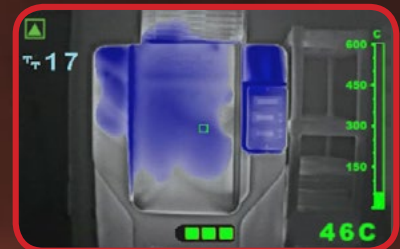
X Factor Technology featuring Super Red Hot



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



Technical Specifications

Physical

| | |
|------------------------|--|
| • Configuration | Small Handheld Thermal Imager |
| • Weight (w/ battery) | 0,895 kg |
| • Weight (w/o battery) | 0,800 kg |
| • Dimensions | Length; 198mm x Height; 109mm x Width; 132mm |
| • Housing Material | Ultem® Thermoplastic |
| • Housing Color | Metallic Blue |

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 or 320 x 240 |
| • Spectral Response | 7-14 Microns |
| • Update Rate | 60 Hz |
| • Temperature Sensitivity | < 0,03°C |
| • NETD | < 30 mK |
| • Dynamic Range | 600° C |
| • Pixel Pitch | 17 µm |
| • Video Polarity | White-Hot |
| • Temperature Measurement | Numeric and/or Bar Style |
| • Super Red Hot | Color above 260°C |

Lens

| | |
|-----------------|---------------------------|
| • Material | Germanium |
| • Field of View | 31° V x 40° H |
| • Focus | Fixed 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° |

Features and Accessories (optionally installed in unit)

| | |
|---------------------------------------|---|
| • 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

| | |
|--------------------------|---|
| • 260° C Heat Resistance | 5 minutes with no damage to electronics |
| • 150° C Heat Resistance | 15 minutes of continued operation with no damage |
| • -29° C Cold Resistance | Continued operation |
| • Water Resistance | IP67 |
| • Impact Resistance | Approximately 2m drops on concrete with no damage |

* Without DVR operating

Eclipse
Retract Strap



Eclipse
Battery
Charger Base



Accessories

Eclipse
PowerUp



Eclipse
Powerhouse
Charger



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