

# 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 320 x 240 resolution.

## 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 optional features are Electronic Thermal Throttle, Hot Area Detection, showing a green box that automatically marks the hottest point in a scene, and an integrated Digital Video Recorder.

## NEW Look & Feel

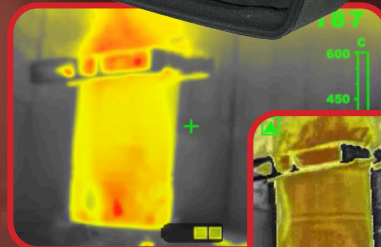
The Eclipse LDX is distinguishable from other thermal imagers with a cool, blue metallic swirl color. Additionally, the imager has an improved power button design that enables easier powering on and off with a gloved hand.

## FIVE YEAR Warranty

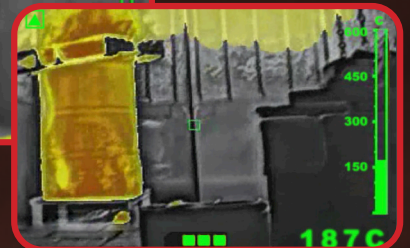
All X Factor Thermal Imagers come standard with a five-year, industry leading, full service warranty on parts and labor, batteries not included.



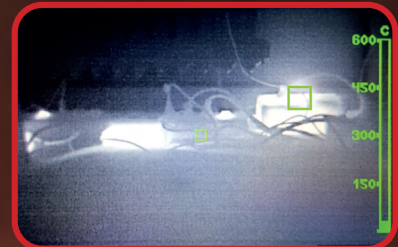
X Factor  
Technology  
featuring  
Super Red Hot



Past



Present



Hot Area Detection  
(optional)



SAFETY. SINCE 1898.™

[www.bullard.com](http://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	320 x 240
• Spectral Response	7-14 Microns
• Update Rate	60 Hz
• Temperature Sensitivity	< 0,05°C
• NETD	< 50 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	30° V x 40° H
• Focus	Fixed 1 meter to infinity
• Speed	f/1.4

### Display

• Type	Digital, Liquid Crystal Display (LCD)
• Size	3,5" Diagonal TFT Active Matrix
• Pixel Format	RGB
• Viewing Angle (Typical)	Top = 60°, Bottom = 40°, Left / Right = 60°

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

• Electronic Thermal Throttle	
• Hot Area Detection	Green Hot-Zone Box
• 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

## Accessories

Eclipse Retract Strap



Eclipse Battery Charger Base



Eclipse PowerUp



Eclipse Powerhouse Charger



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