Bullard®

NXT Thermal Imager

Article No.: 90177BD527

Equipped with X Factor technology and the industry's longest battery run time, the small, lightweight, NFPA 1801 Certified Bullard NXT lets firefighters focus on seeing the most critical details in the heat of the fire when they need it most.

Electronic Thermal Throttle

SEE THE CLARITY. X FACTOR THERMAL IMAGERS
FIVE YEAR WARRANTY

INNOVATIONS FOR THE FIRE SERVICE

The **Bullard NXT** is designed not only for long-lasting service on the front line but also low total cost of ownership in the back office. Purposely built for today's fire service including **NFPA Certification** and the industry's:

- **Longest battery run time**
- **Best image quality**
- **Most desired form factor**
- **First wireless charging systems**
- **Most proven durability**
- **Leading imager and battery warranty**

OUTSTANDING PERFORMANCE

The image clarity you have come to expect from the **X Factor Family** is further refined in the **NXT**. Equipped with an ultra-high performance LCD display that greatly increases brightness and contrast, the **NXT** lets firefighters see more clearly in smoke and direct sunlight. Bullard's **NXT** can exceed eight hours of continuous run time for the ultimate performance in fire conditions.

ADVANCED FEATURES

- **Super Red Hot colorization** - Intuitively highlighting high-heat scenes in brilliant shades of yellow, orange, and red, and temperature measurement in numeric and relative heat indicator formats.

Optional features include Bullard's exclusive

- **Electronic Thermal Throttle®** - which enables firefighters to optimize scenes with the touch of a button
- **2X/4X Digital Zoom** that lets firefighters get closer to the action
- **SceneCatcher Digital Video Recorder** - allows firefighters to capture five hours of video and store hundreds of still images.

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EASY TO USE

Like the popular LDX, Bullard's NXT is distinguishable from other thermal imagers by its uniquely focused compact ergonomics designed specifically for the fire service. The imager's power button design enables easy powering on and off with a gloved hand. Additionally, multiple colors are available for departmental identification. The wireless charging systems are compact, simple, and allow for easy continuous use

UNMATCHED DURABILITY

The NXT is built Bullard Tough for the way firefighters work. The imager comes standard with a five-year, industry-leading warranty not only on the imager but also on the battery.

TECHNICAL SPECIFICATION

Physical

• Configuration	Small Handheld Thermal Imager
• Weight (w/ battery)	2.4 lbs. (1.09 kg)
• Dimensions	H 5.4" (137 mm), W 4.6 (117 mm), L 8.2" (208 mm)
• Housing Material	Ultem® Thermoplastic
• Upper Housing Colors	Red (standard), Metallic Blue, Blue, Yellow, Lime-Yellow, Orange, White, Black
• Lower Housing Color	Black

Electrical

• Power Source	Lithium-ion Rechargeable Battery
• Battery Capacity	6400 mAh
• Battery Cycles	> 800 @ 70% Capacity
• Start-up Time	< 4 Seconds
• Operating Time	>6 hours (with or without DVR operating); 7-8 hours in routine conditions
• Recharge Time	5 hours from fully depleted

Infrared Detector

• Detector Type	Microbolometer
• Detector Sensing Material	Vanadium Oxide
• Detector Resolution	320 x 240 or 240 x 180
• Spectral Response	7-14 µ
• Update Rate	60 Hz
• NETD	< 30 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 m to ∞
• Speed	f/1.3

NXT

SEE THE CLARITY. X FACTOR THERMAL IMAGERS FIVE YEAR WARRANTY

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TECHNICAL SPECIFICATION

Display

• Type	Digital, Liquid Crystal Display (LCD)
• Size	3.5" (89 mm) 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

Temperature Measurement	Numeric and Bar Style
Super Red Hot Colorization	Engages automatically above 500°F

Optional Features and Accessories (if so equipped)

• Electronic Thermal Throttle	Blue Hot Spot Colorization (Manually activated)
• Digital Zoom	2X/4X
• SceneCatcher	Digital Video Recorder (DVR)
• Video Format	NTSC
• Video File Type	AVI
• Video Image Size	720 x 480
• Video Record Time	5.5 hours
• Connection Micro	USB
• Retract Strap	
• Hard Case	

Charging Systems

- Wireless Desktop Charging System (standard)
- Wireless Truck Mount Charger (optional)

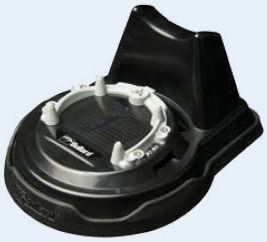
Performance

• 500° F (260° C) Heat Resistance	5 minutes with no damage to electronics
• 300° F (150 °C) Heat Resistance	15 minutes of continued operation with no damage
• -4° F (-20° C) Cold Resistance	Continued operation
• Water Resistance	IP67
• Impact Resistance	2 meter drops on concrete with no damage
• Hazardous Locations	NEC/CEC Class 1, Division 2 ANSI/ISA-12.12.01-2015 CSA-C22.2 No. 60079-0:15 IEC 60079-0:2011, MOD
• Encapsulation	IP6X (ANSI/IEC 60529)
• Radiated Emissions	FCC 47 CFR Part 15B EN 55022:2006
• Electromagnetic Immunity	IEC 61000-6-1:2005 EN 55024:2010
• Internal Battery	UN/DOT 38.3 IEC 62133 2nd edition

- NFPA 1801-2013, Standard on Thermal Imagers for the Fire Service

Accessories

Wireless Truck Mount Charger



Wireless Desktop Charger (included as standard)

Retract Strap

NXT

SEE THE CLARITY. X FACTOR THERMAL IMAGERS — FIVE YEAR WARRANTY

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