



# NXT

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.



## 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. It is purpose-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

The Bullard NXT is loaded with advanced features, including 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, and Bullard's SceneCatcher Digital Video Recorder that allows firefighters to capture five hours of video and store hundreds of still images.



Electronic Thermal Throttle®

## 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.



**NFPA 1801 CERTIFIED**

SEE THE CLARITY.



THERMAL IMAGERS



## Technical Specifications – NFPA 1801 Certification

### 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
Spectral Response	7-14 $\mu$
Update Rate	60 Hz
NETD	< 30 mK
Dynamic Range	1100° F
Pixel Pitch	17 $\mu$ m
Video Polarity	White-Hot

### Lens

Material	Germanium
Field of View	31° V x 40° H
Focus	1 m to $\infty$
Speed	f/1.3

### 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
350° F (177° 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	Conforms to ISA STD 12.12.01 CLASS I DIV 2, GROUP A, B, C, D, T6 CLASS II DIV 2, GROUP F & G 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, <i>Standard on Thermal Imagers for the Fire Service</i>	

### Warranty

Five (5) years on both thermal imager and battery

## Accessories



Wireless Truck Mount Charger



Wireless Desktop Charger (included as standard)



Retract Strap

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