



QXT

Simplicity and longevity define the Bullard QXT Thermal Imager, equipped with X Factor technology and the industry's longest battery run time. With the QXT, firefighters can focus on seeing the most critical details so they can make life-saving decisions while in the heat of the fire.

INNOVATIONS for the Fire Service

The Bullard QXT 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 the industry's:

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

Unmatched PERFORMANCE

The image clarity you have come to expect from the X Factor Family is further refined in the QXT. Equipped with an ultra-high performance LCD display that greatly increases brightness and contrast, the QXT lets firefighters see more clearly in smoke and direct sunlight. Bullard's QXT can exceed eight hours of continuous run time for the ultimate performance in fire conditions. The QXT comes equipped with the industry's first wireless desktop charger that allows for easy continuous use of your thermal imager. A wireless truck mount charger is also available as an optional accessory.

ADVANCED Features

The Bullard QXT 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, Hot Area Detection, showing a green box that automatically marks the hottest point in a scene, 2X/4X Digital Zoom that allows firefighters to 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.

SIMPLE Operation

Like the popular LDX, Bullard's QXT 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.

Bullard TOUGH

The QXT is built Bullard Tough for the way firefighters work. The imager comes **standard** with a five-year, industry-leading warranty on the QXT camera and on the battery.



Hot Area Detection (optional)



Bullard extrem

SEE THE CLARITY.



THERMAL IMAGERS

Technical Specifications

Physical

| | |
|----------------------|--|
| Configuration | Small Handheld Thermal Imager |
| Weight (w/ battery) | 1,08 kg |
| Dimensions L x W x H | 208 mm x 117 mm x 137 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 | 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 μ |
| Update Rate | 60 Hz |
| Temperature Sensitivity | < 0,03°C |
| NETD | < 30 mK |
| Dynamic Range | 600° C |
| Pixel Pitch | 17 μ m |
| Video Polarity | White-Hot |

Lens

| | |
|---------------|-----------------|
| Material | Germanium |
| Field of View | 40° H x 31°V |
| Focus | 1 m to ∞ |
| 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 260°C |

Optional Features and Accessories (if so equipped)

| | |
|-----------------------------|------------------------------|
| Hot Area Detection | |
| Electronic Thermal Throttle | |
| 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

| | |
|--------------------------|---|
| 1000°C | Short time with no functional damage |
| 260° C | Heat Resistance 5 minutes with no damage to electronics |
| 150 °C | Heat Resistance 15 minutes of continued operation with no damage |
| -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 IP6X (ANSI/IEC 60529) |
| Encapsulation | FCC 47 CFR Part 15B EN 55022:2006 |
| Radiated Emissions | IEC 61000-6-1:2005 EN 55024:2010 |
| Electromagnetic Immunity | UN/DOT 38.3 IEC 62133 2nd edition |
| Internal Battery | |

Warranty

Five (5) years on both thermal imager and battery



Wireless Truck Mount Charger



Wireless Desktop Charger (included as standard)



Retract Strap



Handle

Accessories

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