



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, and a ten-year warranty on the detector.



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 or 240 x 180
Spectral Response	7-14 μ
Update Rate	60 Hz
Temperature Sensitivity	< 0,03°C
NETD	< 30 mK
Dynamic Range	600° C
Pixel Pitch	17 μm
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	Green Hot-Zone Box (Manually activated)
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
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

Warranty

Five (5) years on both thermal imager and battery
Ten (10) years on detector

Accessories



Wireless Truck Mount Charger



Wireless Desktop Charger (included as standard)



Retract Strap



Handle

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