



QXT Thermal Imager

Article No.: 90177BD528

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.



QXT



Electronic Thermal Throttle

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 warranty

OUTSTANDING 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.

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.



Doc. Control:	Rev.:	Date:
	3.2	April 10, 2016

This Article Data Sheet (ADS) is designed and produced by FLOWTRONIX (FT) covered under the intellectual property law. Any reproduction in whole or in part is strictly prohibited without written approval. FT FR 1120-3



QXT Thermal Imager

Article No.: 90177BD528

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. Additionally, multiple colors are available for departmental identification. The wireless charging systems are compact, simple, and allow for easy continuous use.

BULLARD TOUGH

The QXT 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 μ m
- Video Polarity White-Hot

Lens

- Material Germanium
- Field of View 31° V x 40° H
- Focus 1 m to ∞
- Speed f/1.3



Doc. Control:	Rev.: 3.2	Date: April 10, 2016
---------------	-----------	----------------------

This Article Data Sheet (ADS) is designed and produced by FLOWTRONIX (FT) covered under the intellectual property law. Any reproduction in whole or in part is strictly prohibited without written approval. FT FR 1120-3



QXT Thermal Imager

Article No.: 90177BD528

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
IP6X (ANSI/IEC 60529)
FCC 47 CFR Part 15B EN 55022:2006
IEC 61000-6-1:2005 EN 55024:2010
UN/DOT 38.3 IEC 62133 2nd edition
- Encapsulation
- Radiated Emissions
- Electromagnetic Immunity
- Internal Battery

Warranty

Five (5) years on both thermal imager and battery

Accessories



Wireless Truck Mount Charger



Wireless Desktop Charger
(included as standard)



Retract Strap



Doc. Control:	Rev.: 3.2	Date: April 10, 2016
---------------	-----------	----------------------

This Article Data Sheet (ADS) is designed and produced by FLOWTRONIX (FT) covered under the intellectual property law. Any reproduction in whole or in part is strictly prohibited without written approval. FT FR 1120-3