



PERSONAL PROTECTIVE EQUIPMENT



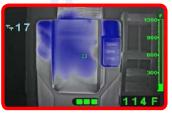
# **QXT Thermal Imager**

**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.







**Electronic Thermal Throttle** 



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# 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.









# **QXT Thermal Imager**

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## **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 5 hours from fully depleted

• Recharge Time

#### **Infrared Detector**

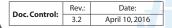
Detector Type
 Detector Sensing Material
 Detector Resolution
 Spectral Response
 Update Rate
 Microbolometer
 Vanadium Oxide
 320 x 240 or 240 x 180
 7-14 μ
 Update Rate
 METD

NETD < 30 mK</li>
 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





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# **TECHNICAL SPECIFICATION**

## Display

Type
 Size
 Digital, Liquid Crystal Display (LCD)
 Size 3.5" (89 mm) Diagonal TFT Active Matrix

Pixel Format

RG

Brightness
 Contrast Ratio
 500 cd/m2 (minimum)
 350:1 (typical)

• Viewing Angle (Typical) Top =  $60^{\circ}$ , Bottom =  $40^{\circ}$ , Left / Right =  $60^{\circ}$ 

#### **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/4>

• SceneCatcher Digital Video Recorder (DVR)

Video Format
Video File Type
Video Image Size
Video Record Time
Connection
NTSC
AVI
720 x 480
5.5 hours
Micro USB

Retract StrapHard Case

# **Charging Systems**

• Wireless Desktop Charging System (standard)

• Wireless Truck Mount Charger (optional)

#### Performance

500° F (260° C) Heat Resistance
 300° F (150 °C) Heat Resistance
 5 minutes with no damage to electronics
 15 minutes of continued operation with

no damage

• -4° F (-20° C) Cold Resistance Continued operation

• Water Resistance IP6

• 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
 Electromagnetic Immunity
 Internal Battery
 FCC 47 CFR Part 15B EN 55022:2006
 IEC 61000-6-1:2005 EN 55024:2010
 UN/DOT 38.3 IEC 62133 2nd edition

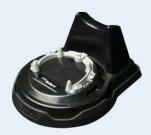
# Warranty

Five (5) years on both thermal imager and battery





Wireless Truck Mount Charger



Wireless Desktop Charger (included as standard)



Retract Strap





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