



TXS

A rugged lightweight thermal imager at an incredible value.



Top Benefits of TXS

- Lightweight and Intuitive
- Proven Durability
- 5-Year Warranty
- X-Factor Lite Image Enhancement
- High Contrast Imagery



Equip More Firefighters
 Exceptional image quality at a price point to get decision-making thermal imaging in the hands of more firefighters.



Small but Powerful
 Even at only 1.6 lbs / 746 g, TXS is rugged and durable...built Bullard Tough. Designed for the unforgiving fireground and backed by Bullard Carefree® warranty.



Innovative Charging
 Manage your fleet efficiently with the robust TXS Dual Charger. Mounts easily in the apparatus and charges two imagers, two batteries, or one of each simultaneously.



X-Factor Lite Image Enhancement

A fine-tuned lineup of image boosting technology with exceptional resolution and low-lag processing of crisp details. Identify flow paths to quickly understand the scene.

AT A GLANCE

Image Enhancement	X-Factor Lite
Resolution	320 X 240
Refresh Rate	Fast 30 Hz
Battery Life	Up to 6 hours

The Lightweight.



Technical Specifications

Warranty	5-year imager; 2-year battery
Weight (w/ battery)	1.6 lbs. / 745 g
Dimensions	L (180mm/7.1in) x W (120mm/4.7in) x H (117mm/4.6in)
Housing Material	PPSU Thermoplastic
Bumper Material	Silicon
Upper Housing Color	Melon yellow (RAL 1028)
Lower Housing Color	Anthracite grey (RAL 7016)
Form Factor	Ergonomic low-strain grip with intuitive handling
User Serviceable Parts	Bumpers, battery, attachment ring
Software	User upgradable firmware (via Micro-USB)
Imager and Battery Chargers	Two bay charger for either two batteries or two imagers, or one battery and one imager for truck of office use. (optional)
Power Source	Lithium-ion rechargeable and field replaceable battery pack
Battery Capacity	3500mAh
Operating Time	Up to 6 hours at 20° C in routine conditions
Recharge Time	Up to 3 hours 30 minutes from fully depleted
Cold Resistance 4° F / -20° C	Continued operation
Heat Resistance 300° F / 150° C	15 minutes of continued operation
Heat Resistance 500° F / 260° C	5 minutes of continued operation
Impact Resistance	Functional after 2 meter drop on concrete
Storage Temperature	Recommended from -4° F / -20° C to 104° F / 40° C
Detector Type	Vanadium Oxide Microbolometer
Detector Resolution	320 x 240
NETD	NETD < 60 mK
Spectral Response	8 μm – 14 μm
Refresh Rate	30Hz
Dynamic Range	1022° F / 550° C
Pixel Pitch	12 μm
Field of View	40° V x 50° H
Protective Window	Glove cleanable germanium window with anti-reflective convex shape and coating
Size	3.5" (89 mm) Diagonal TFT Active Matrix
Display Brightness	400 cd/m2
Contrast Ratio	350:1 (typical)
Viewing Angle (Typical)	Top = 60°, Bottom = 40°, Left / Right = 60°
Image Resolution	320 x 240
Protective Cover	Polycarbonate with a UV and abrasion resistant surface
Pixel Density	114 ppi
Gain Modes	Seamless Gain Transition: Seamless automatic transition between low and high gain mode dependent on scene temperature.
Colorization	White-Hot, and Super Red Hot (yellow-orange-red gradient) for temperatures above 500° F / 260° C

Part Number	Includes	Key Items
TXS (Fahrenheit) TXSE (Celsius)	TXS CAMERA, 2 BATTERY, 1 USB CHARGER, 1 USB CABLE	
TXSBUNDLE (Fahrenheit) TXSBUNDLE (Celsius)	TXS CAMERA, 2 BATTERY, 1 DUAL CHARGER, 1 USB CABLE, 1 RETRACTABLE LANYARD	
XSCHARGER	TXS DUAL BAY CHARGER	
XSACADAPTER	TXS AC ADAPTER, US POWER CORD	
XSACADAPTERE XSACADAPTERUK XSACADAPTERAU	TXS AC ADAPTER, WITH REGIONALIZED PLUG (EUROPE, UK, OR AUSTRALIA)	
XSCHARGERSTRAPSKIT	TXS DUAL BAY CHARGER REPLACEMENT STRAPS KIT, BOLTS	
XSBATT	TXS REPLACEMENT BATTERY	
XSUSBCHARGER	USB CHARGER, 1 USB CABLE	
XSRETRACT	TXS RETRACT	
TXSREFRESHERKIT	TXS FRONT BOOT, DISPLAY BOOT, FLUORESCENT STICKERS, D-RING+BOLT	
XSHARDCASE	TXS HARD CARRYING CASE	
XSCHARGERWIREKIT	TXS CHARGER WIRING HARNESS	
XSSERVICEWINDOW	TXS SERVICE WINDOW	