



Maximum Image Quality & Performance

The new T4MAX thermal imager delivers unrivaled performance and image quality on the industry's largest, brightest viewing display. Equipped with Technology Optimization Package (T.O.P.) offering greatly enhanced engine and display performance integration, the T4MAX is the ultimate choice for fire fighting thermal imaging.



State-of-the-Art Performance

- **Technology Optimization Package (T.O.P.)**
optimizes display and engine performance for unmatched scene dynamics and image clarity
- Ultra-High resolution 320 x 240 detector
- Super Red Hot colorization alerts firefighters to areas of intense heat
- Electronic Thermal Throttle® isolates heat sources
- More than 1100°F saturation temperature



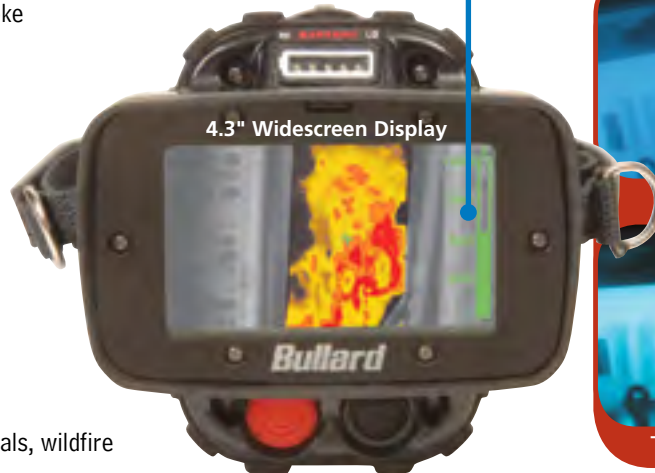
Super Red Hot



Electronic Thermal Throttle

Wide Video Display with Vivid Imagery

- Improved 4.3" widescreen format Liquid Crystal Display
- Super-bright display enables viewing in thick smoke and direct sunlight
- 450:1 Contrast Ratio emphasizes deep blacks and bright whites and enhances image detail
- 50° horizontal field of view



4.3" Widescreen Display



T4 Image Quality



T4MAX Image Quality

Closer to the Action Viewing

- 2x and 4x digital zoom
- Improved visibility
- Ideal for applications including hazardous materials, wildfire and search & rescue





Technical Specifications

Overall TI Unit

Weight with battery	3.7 pounds
Without battery	3.1 pounds
Dimensions	Height: 7.9" Length : 5.8" Width : 5.5"
Heat Test	500°F (260°C) for 8 minutes 300°F (150°C) for 16 minutes
Water Resistance	IP67
Impact/Drop Test	No functional damage, 6' (2 M) drop

Casing

Shell Material	Ultem® Thermoplastic
Sealing	Silicone and Neoprene®
Strap Material	Kevlar®
Lens Window	Germanium (2 mm thick)
Display Cover	Polycarbonate

Core/Detector

Type	Uncooled Microbolometer with Digital Processing, Pixel Smoothing
Resolution	320 x 240 array
Sensing Material	Amorphous Silicon
Spectral Response	7.5 - 14 Microns
Thermal Stabilization	0°F to 175°F (-20°C to 85°C)
Update Rate	30 Hz
Temperature Sensitivity	0.05°C
Video Output	NTSC
NETD	50 mK
Dynamic Range	1100°F (600°C)
Pixel Pitch	30 μm
Thermal Time Constant	10 ms
Video Polarity	White-Hot
Relative Heat Indicator (temperature measurement)	Sliding Bar Scale
Super Red Hot	Color above 500°F (250°C)

Lens

Material	Germanium
Lens Size	5.8 mm
Field of View	32°V x 50.0°H
Focus	Fixed 3' to infinity
Speed	f/1.0

Electrical System

Power Source	NiMH Rechargeable Battery or Alkaline Batteries (8 cells)
Output	9.6V nominal
Capacity	1600 mAH
Operating Time	>3 hours nominal
Start Up Time	<4 seconds
Desktop Charger	20 VDC Input
Powerhouse Charger	12-20 VDC Input
Switch Cycle Test	1,000,000 cycles
Battery Weight	0.6 pounds
Recharge Time	2.5 hours nominal

Display

Type	Digital, Liquid Crystal Display (LCD)
Size	4.3" Diagonal TFT Active Matrix
Dot Pitch	0.198mm (H) x 0.198mm (V)
Dot Format	480 X 272 Dots
Pixels	130,560
Pixel Configuration	Vertical Stripes
Display Method	NTSC
Back Light	10 L.E.D.
Brightness	650 cd/m²
Display Contrast Ratio	450:1
Viewing Angle	Vertical = +50°/-60° Horizontal = +/- 65°



NOTE

Comes standard with two batteries, AC/DC battery charger, carrying strap, interactive training CD-ROM and instruction manual in a protective cardboard carrying case. The T4MAX can be adapted to mount a handle or transmitter. The T4MAX is covered by a 12 month warranty on all parts and labor and a lifetime housing warranty.*

*Limitations and exclusions apply.

Accessories



MobileLink
Handheld Receiver



Alkaline Pack

SceneCatcher &
Transmitter



Powerhouse Charger



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