

T4

Better Under Fire.

Bullard, the leading manufacturer of thermal imagers for the fire service, sets the standard for high performing thermal imagers with the top of the line T4. This state-of-the-art thermal imager integrates an ultra-high resolution infrared engine, widescreen display, digital zoom, Super Red Hot™ colorization and Electronic Thermal Throttle® for maximum performance and jaw-dropping clarity. Extreme performance meets extreme expectations.

HIGHER Performance

- Ultra-High resolution 320 x 240 detector
- Super Red Hot colorization highlights heat conditions
- Electronic Thermal Throttle isolates heat sources
- Over 1100°F saturation temperature

WIDER View

- Oversized, 4.3" widescreen, digital LCD display
- 16 x 9 aspect ratio
- 50° horizontal field of view
- 80° display viewing angle

CLOSER To The Action

- 2x and 4x digital zoom
- Zoom in for hazardous materials, wildfire or search & rescue
- Works with Electronic Thermal Throttle and Super Red Hot



Normal View



4X Zoom



T4

Technical Specifications



Overall TI Unit

Weight with battery	3.75 pounds (60 oz)
Without battery	3.15 pounds (49 oz)
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 (Nominal 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 (Nominal 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
Charger Single Battery	120 VAC-- or 12 VDC
Switch Cycle Test	1,000,000 cycles
Battery Life	1,000 charge cycles
Battery Weight	0.6 pounds (9.5 oz.)
Recharge Time	1 hour nominal

Display

Type	Digital, Liquid Crystal Display (LCD)
Size	4.3" Diagonal TFT Active Matrix
Dot Pitch	188 mm (V) x 160 mm (H)
Dot Format	480 X 272 Dots
Pixels	130,560
Pixel Configuration	Vertical Stripes
Display Method	NTSC
Back Light	7 L.E.D.
Brightness	165 cd/m ²
Viewing Angle	Left/Right = 80°, Up/Down = 80°



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 T4 has an anti-RFI coating and can be adapted to mount a handle or transmitter. The T4 is covered by a 12 month warranty on all parts and labor and a lifetime housing warranty.*

*Limitations and exclusions apply.

Americas:
E.D. Bullard Company
1898 Safety Way • Cynthiana, KY 41031-9303
Toll free: 877-BULLARD (285-5273)
Tel: 859-234-6616 • Fax: 859-234-8987
www.bullard.com

Europe:
Bullard GmbH
Lilienthalstrasse 12
53424 Remagen • Germany
Tel: +49-2642 999980 • Fax: +49-2642 9999829
www.bullardextrem.com

Asia-Pacific:
Bullard Asia Pacific Pte. Ltd.
LHK Building
701, Sims Drive, #04-03 • Singapore 387383
Tel: +65-6745-0556 • Fax: +65-6745-5
www.bullard.com

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