



T3MAX PLUS Thermal Imager & Accessories Tender Specification

Lens

| | |
|-----------------------|---------------------------------|
| Material | Germanium |
| Lens Size..... | 5,8 mm |
| Lens Protection | 2mm Germanium |
| File of View | 50° Horizontal x 37,5° Vertical |
| Focus..... | Fixed, 1m to infinity |

Electrical System

| | |
|------------------------|---------------------------------------------------------------|
| Power Source | NiMH 10V rechargeable battery or alkaline batteries (8 cells) |
| Operating Time | 4 hours nominal |
| Battery Change..... | Possible with gloved hand in the dark |
| Battery Mounting..... | Only fits one way, no wrong mounting possible |
| Battery Weight..... | 0,3 kg |
| Battery Capacity | 2300 mAh |
| Battery Life..... | 1000 charge cycles |
| Charger | 12V, 24V and 230V |
| Start Up Time..... | 4 seconds |

Display

| | |
|---------------------|-----------------------------------------|
| Size | 3,5" diagonal |
| View | At arms length in heavy smoke |
| Display Cover..... | Polycarbonate, replaceable in the field |
| Pixel | 74.880 |
| Display Method..... | TFT Active Matrix System |
| Back Light | 6 LED |
| Brightness | 250 cd/m2 |
| Viewing Angle..... | Left/Right = 50°, Up = 15°, Down = 35° |

Strap System (field replaceable, adjustable on both sides of the imager allowing left/right hand use)

| | |
|------------------------|--------------------------------------------------------------|
| Material | Kevlar with reflective trim including metal D-Rings |
| Wrist/Gear Strap | Kevlar with two metal carabineers and a quick release buckle |

Functional Elements

One button operation with standard fire fighter gloves possible for all switches.

The ON/OFF switch is recessed and protected to avoid accidental shut-off.

Automatic High and Low Gain Mode: above 100°C the camera switches automatically into the Low Gain Mode to avoid distortions. Up to this temperature the imager works in the High Gain Mode and allows a very exact graduation of the image. Over 100°C the Gain is reduced, to guarantee a perfect view of objects near or behind high heat sources.

Temperature Reading

From -54° - 600°C directly from the detector. Sliding bar on the right side of the display with a scale in °C and numeric display above the scale bar.

OPTIONAL: Super Red Hot

Super Red Hot is the automatic colorization mode active in the Low Gain Mode. Colours items in three colours based on their temperatures. The system activates at 250°C with YELLOW then ORANGE at 400°C and RED over 500°C. Colorization occurs in graduations meaning that each colour appears in multiple shades based on the actual temperature of the object. It helps detecting the heat layers and find quickly danger zones.



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OPTIONAL: Electronic Thermal Throttle® (with Manual ON/OFF Switch)

This special colorization mode is activated only if needed by the user. By pressing the left activation button, the hottest objects in the scene are coloured in BLUE, leaving other hot objects in WHITE. This colour is unique to this mode. When pressing the button again, filtration reduces, and the blue colour is extended to cooler objects. The hotter objects will be coloured in dark blue and the colder ones in a lighter blue to ensure a clear differentiation. The blue colorization is transparent and allows a clear view of all objects and their contours in a scene.

With the second button, filtration graduation can be reduced, and fewer objects will be coloured blue. Pressing both buttons at the same time for two seconds switches off the Electronic Thermal Throttle mode.

This unique Bullard feature helps the user identify hidden heat sources up to 250°C. Saving fire fighters valuable time with the help of this feature, because their attention is directed immediately to the hottest objects in a scene. By choosing the colorization in BLUE the fire fighter's safety is ensured and confusion with other colours in the High Heat Mode above 250°C will be avoided.

The Electronic Thermal Throttle was designed to avoid mistakes which can appear because of the automatic colorization at the lower temperature ranges!

The imager has one LED indicator system that displays battery life via 5 LEDs (3 green, 1 yellow, 1 red)

Frequency Switch for wireless remote transmitter system (optional)

Video-out Adapter (optional)

External Power Supply (optional)

Accessories



NOTE

Shall be retrofittable at a later time in the field.

Wireless Remote Transmitter System

Housed in the quick attach handle with ON/OFF switch and channel switch. Retrofittable without additional labour cost.

Technical Specifications

| | |
|--------------------------|------------------------------------------------------|
| Frequency & Output | According to European R&TTE Directive |
| Switch | 2 channel switch |
| Distance..... | Inside buildings (200m) Outside buildings (1000m) |

Mobile Link Handheld Receiver

Battery operated with built in 3.5 display, channel switch and Video-out plug.

Technical Specifications

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------|
| System..... | NTSC/PAL |
| Power..... | NiMH Battery |
| Relative Humidity | 10% to 90% |
| Weight..... | 863 grams including battery (581 grams without battery) |
| Dimensions | 15,3 x 10,7 x 11,4 cm (with battery installed without antenna) Antenna adds another 8 cm in height |

OPTIONAL: one rechargeable NiMH batter and charger for 230V, 12V and 24V

T3 Alkaline Battery Case

Power your T3 with standard AA Alkaline Batteries, 8 batteries required

T3 Handle Quick Attach Handle (Retrofittable in the Field)



T3 Retractable Strap

Extendable strap to be mounted on your gear, designed to keep the T3 out of the way while crawling and working (hands free working)

T3 Powerhouse (Truck Mount Direct Charge System)

Charges the T3 camera, as well as a spare battery (for 12V or 24V) automatically

OPTIONAL: 230V Adaptor Kit (T3 Powerhouse Kit)

T3 SceneCatcher DVR

Digital Video Recorder built-in the quick attach handle. Records 300 photos and five hours of video in 640 x 480 resolution. One button operation: one short push of the button and one photo is captured. If you press and hold the button two seconds longer, a video is recorded. Includes Download Software for PC and USB cable. Each photo and video has a time and date stamp. **The Scene Catcher can be combined with the wireless remote transmitter in the same handle! Both can be retrofitted at any time!**

TacPort

Video-out Adaptor allows external power supply. Provides BNC video-out with RCA adaptor included. 12DC operation or 230V operation with the camera AC adaptor (car cigarette plug adaptor included). For use in extended surveillance operations.

T3 Glareshield

Provides maximum visibility during size-up and other bright light conditions.

T3 Akkucare

Charger for charging and discharging batteries (for 24V and 230V use).

Warranty

Thermal Imager.....2 Years
Camera ShellLifetime

Service

Guaranteed turnaround time within 48 hours! Shipping time not included. Service Station based in Europe (South Germany)



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