



## Electrical System

Power Source .....	NiMH 2,4V Rechargeable Battery
Operating Time .....	> 3 Hours Nominal
Battery Change .....	Possible with gloved hand in the dark
Battery Mounting.....	Only fits one way, no wrong mounting possible
Battery Weight.....	0,1 kg
Battery Capacity .....	2350 mAh
Battery Life .....	1000 Charge Cycles
Charger .....	12V, 24V and 230V
Start Up Time.....	< 4 Seconds

## Display

Size .....	2,4" Diagonal LCD backlit screen
Display Cover.....	Polycarbonate, replaceable in the field
Pixel .....	37.440
Brightness .....	250 cd/m2
Viewing Angle.....	Left/Right = 50°, Up = 35°, Down = 15°

## Functional Elements

Handling with standard fire fighter gloves possible

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

Automatic High and Low Gain Mode: above 145°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 145°C the Gain is reduced, to guarantee a perfect view of objects near or behind high heat sources.

## Eclipse Control Panel Software

User registration and support interface on CD-ROM. Activates and registers the camera online. Inventory tool for all Eclipse cameras at one fire department. Offers access to future product updates and features, diagnose of product issues and service and support functions.

With internal security features for future tracking and identification of the unit.

## Accessories



### NOTE

Shall be retrofitable at a later time in the field.

## Eclipse Retractable Strap

Extendable strap to be mounted on your gear, designed to keep the T4 out of the way while crawling and working (hands free working)

## Eclipse Powerhouse (Truck Mount Direct Charge System)

Charges the camera battery and a second spare battery automatically.

## Temperature Reading

0° - 550°C with bar graph and/or numeric display



## High Heat Colorization

The automatic colorization mode active in the Low Gain mode. Colours items in three colours based on their temperatures. The system activates at 260°C with YELLOW then ORANGE at 400°C and RED over 540°C. Colorization occurs in graduations, meaning that each colour appears in multiple shades based on the actual temperature of the object. It helps detect the heat layers and quickly finds danger zones.

## 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 right 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 260°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 260°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!

## Eclipse Glareshield

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

## Warranty

Thermal Imager ..... 2 Years

Camera Shell ..... Lifetime

## Service

Guaranteed turnaround time within 48 hours! Service Station based in Europe (South Germany)

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