Technical Specification

 K88 BRO 001 A-5

PHYSICAL CHARACTERISTICS

Dimension	284mm x 144mm x 145mm
Weight	1.2kg (2.6lbs)
Shell Colour	Yellow
Shell Material	Radel R 5100
Handstrap Material	Kevlar
IR Protection Window	Germanium Window
Tripod Mount	$^1/_4$ inch BSW Fixing

DISPLAY CHARACTERISTICS

Technology	Colour LCD
Viewing Mode	Universal (Up-to-Face or Arms Length)
Size (Diagonal)	Equivalent 165 mm (6.5” magnified)
Luminosity	230 Candelas per Sq. Metre

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-35°C to ~450°C (-31°F to ~840°F) (limited exposure)
Operating Duration	120°C (250°F) for > 20 mins 240°C (500°F) for > 8 mins
Storage Temperature	-25°C to 55°C (-15°F to 130°F) whilst retained in carry case
Water Resistant	IP67, 1.0m (3’3”) depth
Contaminant Resistant	Yes
Drop	1.8m (6 feet) any orientation

ELECTRICAL CHARACTERISTICS

Battery Technology	Rechargeable NiMH
Recharge Cycles	1000+
Recharge Time	2.5 hours (nominal)
Operating Time	Up to 5 hours with Supercell Plus Batteries

INFRARED CHARACTERISTICS

Detector	Uncooled IR Microbolometer
Resolution	160 x 120 pixels
Thermo-electirc Cooler	None
Thermal Time	10 ms typical
Spectral Response	8 µm to 14 µm
R:S Ratio	13,500
Sensitivity (nominal)	50 mK
Scene Update Rate	50Hz (PAL), 60Hz (NTSC)
Dynamic Range	Automatic, variable dynamic range control
Modes of Operation	ICE™ (Normal and Thousand Plus)
Field of View	44°
Focus Range	1.0m to infinity

OPERATIONAL CHARACTERISTICS

Pushbutton Controls	Power ON/OFF, Image Capture and Transmitter ON/OFF (if fitted)
Readiness Time	10 seconds (nominal)
Image Optimisation	Automatic, no operator adjustment required
Video Standard	PAL or NTSC: European or American TV compatible
Video Output	Composite 1.0 V terminated into 75 Ω BNC
Temperature Measurement	0°C to 1000°C. Accuracy +/- 5% (0°C - 100°C), +/- 10% (100°C - 1000°C)
Colorisation	Dual Transparent Colour
Colour Temperature Scale Indicator	Single-full-spectrum indicator palette
Digital Image Capture	Saves 30 images to on board memory

For more information on the M250 please contact us:

M250

LOTEK safety
- et selskab i GD-Gruppen

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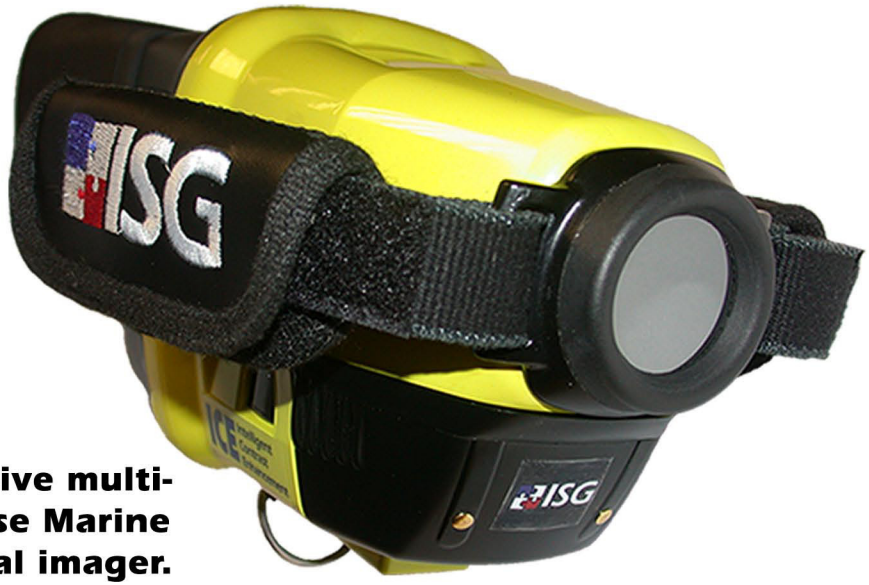
ISG INFRASYS

M250



Exclusive multi-purpose Marine thermal imager.

Search & Rescue • Firefighting • Piracy Detection

Enhanced Safety Onboard

ISG Infrasys is committed to prioritising rescuer safety in emergency situations, dedicating substantial investment resources to the development of thermal imagers and technologies to improve imaging capability for the most extreme conditions.

"The better the image, the safer you are."

ISG Infrasys thermal imagers offer the most advanced essential innovations for firefighting and search and rescue. The combination of exclusive, innovative technology, durable design and extreme testing scenarios ensures that when you purchase an ISG Infrasys product, you get a quality-assured, reliable thermal imager that delivers the clarity, detail and headroom you need for best-informed decision making and enhanced safety for your team.

The new M250 combines our exclusively designed ICE™ technology with Image Capture capabilities all in a palm sized package, and available at an affordable price making this product the 'must-have' thermal imager for marine safety in firefighting and search and rescue operations.

Its unique thermal imaging qualities enable the M250 to be used for both Search and Rescue at sea as well as fighting fires on board ship. Its exclusive technology allows the user to see a much clearer image of the surroundings, enhancing effectiveness of life saving decision making, essential in emergency situations.

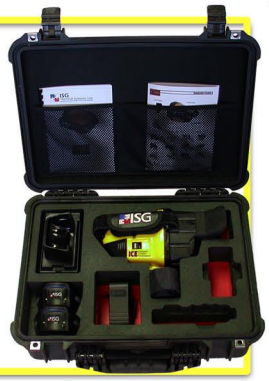
ISG Infrasys technology also enables the user to identify individuals at long range, and can differentiate body temperature from the background even after lengthy periods, immersion, rescue and MOB missions at sea.

Standard Accessories

2x Rechargeable Batteries

Desktop Battery Charger

Lanyard



M250

Order NOW...

For more information on the M250 or any of our other products, please contact us:

+44 (0) 1268 52 77 00

info@isgfire.co.uk

www.isgfire.co.uk

ISG INFRASYS

Exclusive Technology

+ Boosted contrast in the lower temperature areas around a hot scene to provide optimum clarity in the whole image for improved visibility; vital for making best-informed decisions and significantly enhancing firefighter safety
+ Operates alongside 'Thousand Plus' mode allowing images to be seen at temperatures in excess of 1000°C
+ Automatic mode selection means you just point the imager in the right direction and ICE™ will do the rest
+ Unique Multi-Range Lens™ allows the user to image at short and medium range distances

ICE Intelligent Contrast Enhancement

"The Difference Could Be Life Saving"

MULTI-RANGE LENS

Special Features

+ **Multi-Range Lens™**
  Provides extra headroom for clearer imaging, and allows for short-medium range imaging in all search and rescue operations.
+ **ICE™ (Intelligent Contrast Enhancement)**
  Gives unrivalled background image clarity for instant location of exit routes, significantly enhancing safety in firefighting operations
+ **Image Capture**
  Enables the user to store images for reviewing at a later date
+ **Easy to Operate**
  One button for on and off with no complicated user adjustments
+ **Long-Lasting Batteries**
  Fully rechargeable with up to 5-hours continuous operation
+ **Tough and Durable**
  - IP67 (Water resistant up to 1 metre depth)
  - Tested to withstand temperatures exceeding 450°C
  - Impact resistant up to 6 feet drop