SAKER
Fused Weapon Sight
Image Intensifier / Thermal Imager

SAKER is the new nested channel optically Fused Weapon Sight product development from Excelitas providing the Dismounted Close Combat User with an enhanced, multi waveband Detect, Recognise & Identify capability.

SAKER is a fully qualified military Weapon Sight designed specifically for medium range surveillance and target engagement.

SAKER attaches to Picatinny or NATO accessory rails in front of the day sight via a quick release throw lever, providing 24hr capability without the need to remove or re-zero the day sight.

SAKER combines the latest Image Intensification and uncooled Thermal Imaging capability in a single lightweight, compact yet rugged package.

SAKER is fitted with a 17µm, 60Hz uncooled thermal sensor coupled with a near silent shutter, delivering class leading sensitivity, uniformity and system latency in an ITAR free package.

SAKER is fitted with a 4G Image Intensifier tube from PHOTONIS

SAKER provides a low power architecture and is operated from just 3 commercially available Lithium AA batteries.
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Thermal Imager

Main Features

Thermal Imager:
Sensor: 17µm, 60 Hz VOx (ITAR free) Near silent shutter
Field Of View: 8.1 x 6.1°
Focus Range: 15m to ∞ (fixed focus)
Diamond Like Carbon (DLC) Anti-Reflection optical coating

Image Intensifier:
Field of View: 10° circular
Focus Range: 15m to ∞
Durable Anti-Reflection optical coating

Image Intensifier Tube:
PHOTONIS 4G –
Green or White Phosphor

Display Type: OLED, full color, 800 x 600
Magnification: x1

Controls and Functionality:
Modes: Off / I / Blend / TI / Menu
Functionality: Blend Adjust, Brightness, Polarity, NUC,
Outline, Edge, Aiming Mark

I/O Port:
RS232 Comms, External Power, Video Out (PAL/NTSC)
Standard: TI Video Out, Optional: Blended Video Out

Power:
3 x 1.5v AA Cells
Polarity Protection
>7hrs continuous operation, Fused Mode
>60hrs continuous operation, I² Mode

Nominal dimensions:
189mm (L) x 84mm (W) x 75mm (H)

Weight:
890g - includes:
SAKER Weapon Sight including rail grabber lens cap and light
security shroud. 3 x AA Lithium Batteries

Finish:
Various paint options available

Environmental

DEF Stan 00-35 Part 3 (Environmental)
- Temperature (Operating)
- Temperature (Storage)
- Thermal Shock
- Solar Radiation
- Shock – Drop Test (Sight Alone, Field Pouch and Logistical)
- Shock – Vibration (Fixed Wing Propeller, Rotary Wing, Tracked
and Wheeled Vehicle)
- Low Air Pressure and Transportation
- Chemical and Biological (Resistance and Decontamination)
- Dust and Sand (Wind Blown)
- Water Immersion (20m)
- Driving Rain
- Mist, Fog and Low Cloud
- Salt Atmosphere
- Mould Growth

DEF Stan 08-41 Part 1/1 (Chemical and Biological)
- Chemical and Biological Hardening
- Decontamination – In Service decontaminants

DEF Stan 59-411 Part 3 (Electro-Magnetic Effects)
- Electro Magnetic Compatibility – Emissions and Susceptibility

Package

Standard:
SAKER Weapon Sight, Lens Cap, Light Secure Shroud,
Transportation Case, Field Pouch, Operators Manual, Lens
Cleaning Kit, 2 x AA Lithium Cells

Options:
Multi-Function Remote Control,
Daylight Training Filter

Detect Recognise Identify

Man sized target, 50% probability, x4 magnification

For technical information contact:
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