TALON

Fused Weapon Sight
Image Intensifier / Thermal Imager

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

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

TALON 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.

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

TALON is fitted with a 12µm, 60Hz uncooled thermal sensor coupled with a near silent shutter, delivering class leading sensitivity, uniformity and system latency in an ITAR free package.

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

TALON provides a low power architecture and is operated from just 2 commercially available Lithium AA batteries .

EXCELITAS TECHNOLOGIES®

QIOPTIQ
An Excelitas Technologies Company

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Main Features

Thermal Imager:
Sensor: 12µm, 60 Hz VOx (ITAR free) Near silent shutter
Field Of View: 9.5 x 7.2°
Focus Range: 15m to ∞ (fixed focus)
Diamond Like Carbon (DLC) Anti-Reflection optical coating

Image Intensifier:
Field of View:11.8° circular
Focus Range: 15m to ∞
Durable Anti-Reflection optical coating
Image Intensifier Tube: PHOTONIS 4G – Green or White Phosphor

Display Type: OLED, full color, 1280 x 1024

Magnification: x1

Controls and Functionality:
Modes: Off / I^2 / Blend / TI / Menu
Functionality: Blend Adjust, Brightness, Polarity, NUC, Outline, Edge

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

Power: 2 x 1.5v AA Cells
Polarity Protection
>7hrs continuous operation, Fused Mode
>24hrs continuous operation, I^2 Mode

Nominal dimensions: 123mm (L) x 80mm (W) x 72mm (H)

Weight: 650g - Includes:
TALON Weapon Sight including rail grabber lens cap and light security shroud. 2 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:
TALON 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

Range Performance

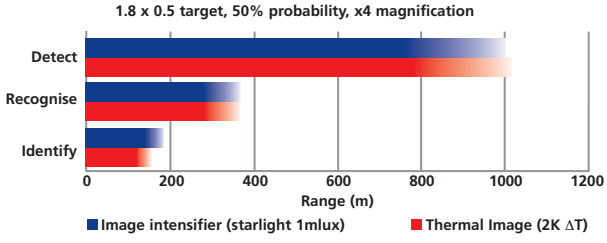

IMAGE INTENSIFIER

THERMAL + THRESHOLD

FUSED I2-TI + TI OUTLINE

FUSED I2-TI + OUTLINE ONLY

For technical information contact:

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