



THALES

Thales Defense & Security, Inc.

2026 Products



22605 Gateway Center Drive
Clarksburg, MD 20871

CAGE Code 23386

SharpView Dual Camera — Minerva

Dual Band Camera Assembly for Driver's Vision Enhancement and Situational Awareness



The Minerva dual band sensor is a compact and versatile sensor assembly ideal for driver's vision enhancement, rear or reversing camera applications, or general situational awareness. This module has a thermal imager integrated with a color/low light day camera. This combination allows enhanced visibility 24 hours per day in all types of weather conditions. Performing with very low-latency, it aids the driver in terrain navigation, obstacle avoidance and route selection. It provides superiority night and day, in adverse weather, obscured or no-light battlefield conditions.

Technical Specifications

Physical Parameters

Height: 62.5 mm

Width: 102.6 mm

Depth: 141.7 mm

Weight: 1.7 kg

Designed and made for use in all environmental conditions.

Qualified over temperature, vibrations and shocks typically associated with military vehicle operations.

Environmental Standard

MIL STD 810 & MIL STD 461

Long Wave Infrared Camera

Long Wave Infrared Camera

Horizontal Field of View: 54°

(Also available in 19°, 46°, 90° and 100°)

Detector: Uncooled Micro-bolometer

Detector Resolution: 1280x1024.

Visible Camera:

Horizontal Field of View: 54°

(Also available in 19°, 46°, 90° and 100°)

Detector Resolution: 1920x1080

Input Power: +28 VDC, MIL-STD 1275E

Video Format: SDI

Ethernet 1000 Base T

RS422/CAN Bus

Capabilities

Key Features

- > Minerva provides 24-hour operational capability
- > Superiority Day and Night
- > Drivers Vision Enhancement and Situational Awareness for military vehicles
- > Compact and versatile family of thermal imaging cameras.
- > Designed and made for use in degraded visual environments.
- > Lower through-life costs, reliable and resilient
- > Continuously operable at ambient temperatures from -40°C to +50°C, even during exposure to solar radiation.
- > Qualified to vibrations and shocks typically associated with military vehicle operations.
- > Unrivalled optical performance for highest sensitivity at no light levels.
- > Ruggedized, waterproof design compliant with military specifications
- > Camera assembly designed for mounting flexibility, horizontal or vertical
- > Dual-Band: Unrivalled optical performance for highest sensitivity at no light levels
- > State of the art video processing algorithms to improve object detection
- > Designed for enabling image fusion of visible and LWIR
- > Ruggedized, waterproof design compliant with military specifications

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Specifications are subject to change without notice.

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