KEY BENEFITS

- One compact Sensor Module (SM) design suitable for various vehicle types.
- Very sensitive system.
- Simple logistics and Life Cycle Cost.
- Large Field of Regard (FOR) (vehicle dependent).

TDS
Thermal Driver’s Sight
OVERVIEW

TDS is an uncooled Thermal Imager operating in the 8-12 μm IR range.

TDS control can be performed via motorized or manual interface.

TDS is available with or without a motorized wiper (TDS-W).

This thermal imager has both enhanced sensitivity for night viewing and new powerful sensor electronics with non-linear AGC (Automatic Gain Control) suitable for high dynamic scenes day or night.

TDS can be an essential component of an affordable Local Situational Awareness System (LSAS), in an optional configuration providing 360° azimuth field-of-regard area coverage. Thales’ modular systems approach allows for a variety of imager configurations, depending on customer and vehicle configuration specific requirements.

SPECIFICATION

SPECTRAL BAND:
• 8-12 μm

DETECTOR:
• Microbolometer UFPA 640 x 480, 1024 x 768

H FOV:
• 40°, 50°, 60°

FOR:
• 360° or 180° (azimuth)

FOCUS:
• Athermalized, Focus Free, 5m to Infinity

WEIGHT:
• 8.7 kg Typical

POWER SUPPLY:
• 28 Vdc nominal, MIL-STD-1275

VIDEO OUTPUT:
• PAL / NTSC / 720p

POWER CONSUMPTION:
• @ +20°C 40 Watts Typical
• @ -40°C 100 Watts Maximum

OPERATING TEMPERATURE RANGE:
• -40°C to +50°C