



LONG RANGE THERMAL SIGHT FOR REMOTE WEAPON SYSTEMS

FLIR ThermoSight® V4000E

The FLIR ThermoSight® V4000E is a cooled midwave infrared (MWIR) sight for long-range remote weapon systems designed to maximize performance and stand off range at an affordable price point. It has a wide field of view of 10 degrees to scan the scene for threats and targets, and a narrow 2 degrees field of view for target assessment and accurate aiming. Loaded with FLIR advanced image processing algorithms, the system helps provide reliable image clarity through the entire shooting sequence under various conditions, and minimizes time to accurate shot. Mission ready and field proven by the US Army.

The FLIR ThermoSight® V4000E has superior automatic detail enhancement (ADE), better handling of noise amplification, improved renderings for hot objects, minimized halo effects and more to help the operator achieve faster and more accurate target detection and identification without manual adjustment.

FEATURES

GREAT STANDOFF RANGE

Provides the ability to identify a tank target at nearly 4km (2.5 mi) thanks to its powerful optics and a cooled MWIR detector.

ACCURATE AIMING SOLUTION

Perfect solution for accurate aiming with longer range, larger caliber weapon systems such as 30mm as well as for missiles such as the Javelin.

FIELD PROVEN

In use with the US Army, and tested and qualified to MIL-STBD 810.

EFFICIENT

Requires little or no manual tuning thanks to FLIR advanced image processing algorithms.

POWERFUL PERFORMANCE

Powerful long range performance in a relatively small package.

APPLICATIONS

RECONNAISSANCE

FORCE PROTECTION

TARGET ACQUISITION

SPECIFICATIONS

SYSTEM CHARACTERISTICS

THERMAL IMAGER	FLIR THERMOSIGHT® V4000E
Sensor Technology	Indium Antimonide (InSb)
Array Format	640 x 480 pixels
Spectral Band	3-5 µm
Narrow Field of View	2°x1.5°
Wide Field of view	10°x7.5°
Focus	One shot Auto Focus and Manual Focus

VIDEO OUT

Video format	PAL or NTSC
Video latency	≤40ms

INTERFACING

Input Voltage	19-29 VDC
Consumption	Average <31 W, peak <42 W

SIZE AND WEIGHT

Depth	290 mm / 11.4 in (approx.)
Width	172 mm / 6.7 in (approx.)
Height	180 mm / 7 in (approx.)
Weight	Approx 5kg / 11lbs

ENVIRONMENTAL

Operating Temperature Range	-40°C to +55°C, MIL-STD 810
Non-Operating Temperature Range	-46°C to +71°C, MIL-STD 810
Ballistic shock	IAW MIL-STD-810, Method 522.1



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