



Eight Armored Vehicles E-O System

Overview

The eight Armored Vehicles E-O system consists of the following components as follows:

- Thermal imaging sight
- CCD Visible Camera
- Laser Range Camera
- Ballistic Computer



Thermal Image Sight

- Waveband
 - 3~5um
- 2-F.O.V
- Detector
 - 320x240 (optional:640x480)
 - MCT or InSb
- Cooling
- Split stirling
- Cooling down time
 - ≤ 4 min. at 25°C
- NETD $\leq 0.05^\circ\text{C}$
- Weight
 - ≤ 3 kg
- Operating Temperature
 - $-30^\circ\text{C}\sim 50^\circ\text{C}$
- Video output
 - NTSC or Pal
- Range Performance
 - Detection(vehicle) ≥ 15.0 km
 - Recognition(vehicle) ≥ 5 km

Laser Range Finder

- Waveband
 - 1.54 um
- Range and Accuracy
 - $\geq 10\text{km}\pm 1\text{m}$
- Repetition rate
 - 1Hz
- Receiver aperture size
 - ≤ 42 mm
- Weight
 - ≤ 2.5 kg

CCD Visible camera

- Waveband
 - 0.4um~0.7um
- 2-F.O.V
- Resolution
 - 640 x 480
- Weight
 - ≤ 3 kg
- Operating Temperature
 - $-30^\circ\text{C}\sim 50^\circ\text{C}$
- Video output
 - NTSC or Pal
- Range Performance
 - Detection(vehicle) ≥ 15.0 km

Ballistic Computer

- 7.62 mm machine gun
- 25 mm chai
- n gun
- 40 mm grenade
- Assault gun carriage
- Customer design



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