

STING-I

EO/IR SEEKER for Loitering Munition

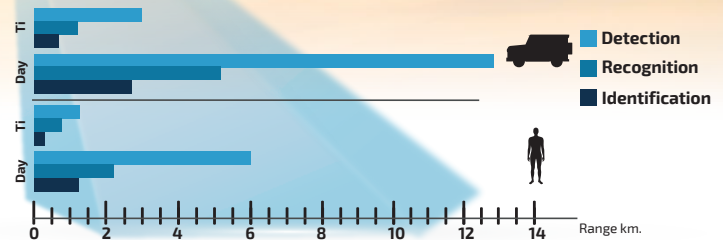
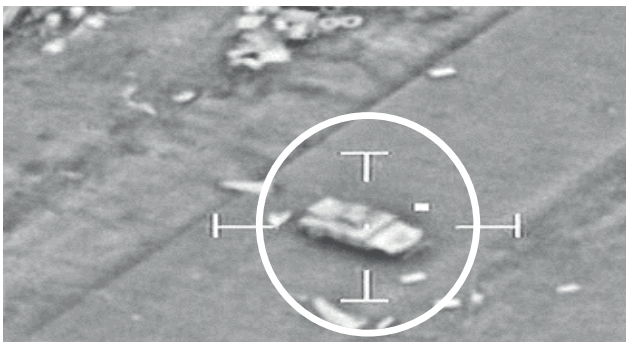


Operational Impact Enhancement

- Very low SWaP (Size, Weight and Power)
- Uncooled IR camera with continuous zoom
- HD CMOS camera with continuous zoom
- Inertial stabilization
- Embedded Automatic Video Tracker (AVT) designed for homing
- HD SDI and Ethernet video output
- Stabilized Turret Assembly (STA)– Nitrogen pressurized
- Embedded H.265 Encoder & Decoder

Options:

- Automatic Video Motion Detection (VMD)
- Automatic Target Recognition (ATR)
- Inertial Navigation System (INS) on line of sight



Electro-Mechanical

Type: 2 Gimbal Gyro-stabilized System
Field of Regard: Elevation: +35° to -90°
Azimuth ±170°
Angular Velocity: Up to 60 °/sec both axes

Thermal Imaging (TI) Sensor

Spectral Range: 8-12µm
Detector: Infrared, Un-Cooled Microbolometer, Amorphous Silicon
640 X 480 pixels FPA (pitch 17µm)
Continuous optical zoom x3.4 ;
Elec. Zoom x3
Lens: 40° (WFOV) to 11.7° (NFOV)
Horizontal Field of view (± 10%):

HD Daylight Channel

Camera: HD CMOS Color camera
Lens: Continuous zoom lens x10 ;
Elec. zoom x4
Field of View: 5° to 50° horizontal FOV ;

Physical Characteristics

Weight: 1.6kg
Dimensions (Turret): (Ø) 120mm (4.7")X (H) 220mm (8.6")

Electrical Interface

Power Supply: 20-30 V
Power Consumption: < 45W in observation mode of operation
< 80-100W in homing mode
Dig. Video Outputs: Ethernet H.265 full HD 1080p or HD ready 720p

Environmental Conditions

Temperature: - 32° C to + 50° C
Storage Temp: - 55° C to + 71° C

Let's Talk



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