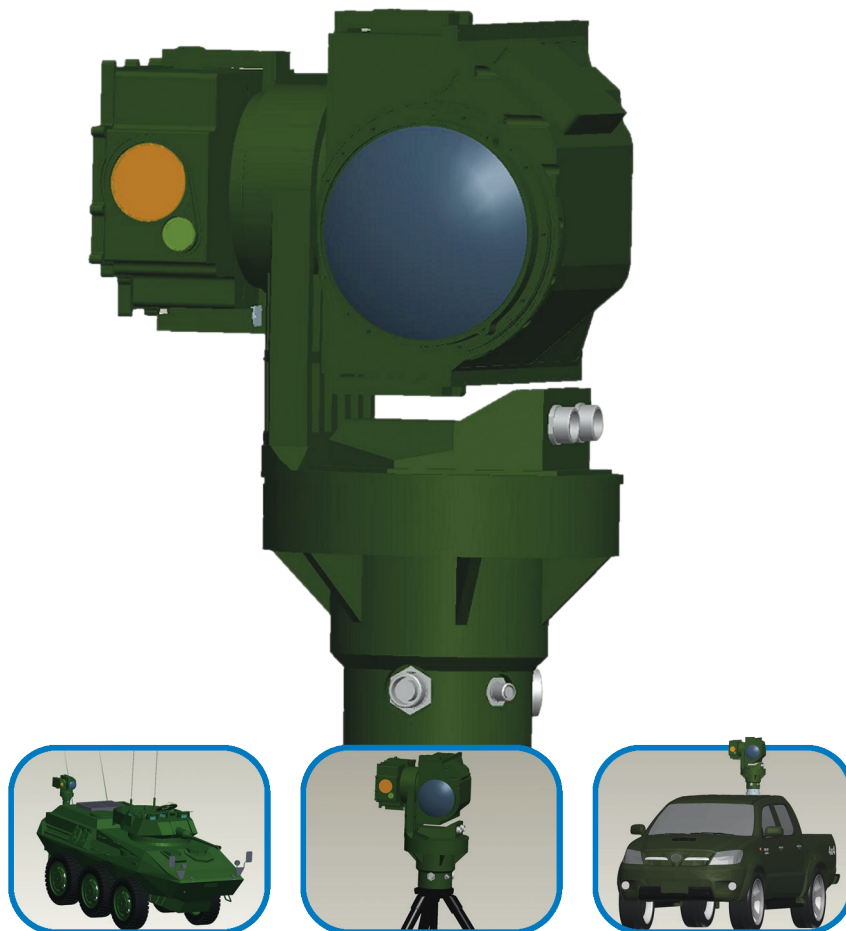


EOSS-HD

High Definition Electro Optical
Sensor System





EOSS-HD

High Definition Electro Optical Sensor System

EOSS-HD is an electro optical sensor system which has high definition infrared thermal camera and day sight camera with laser designation/range finding properties.

EOSS-HD gives 7 days 24 hours 360° panoramic reconnaissance, surveillance, target tracking and coordinate determination in all weather conditions.

EOSS-HD has extremely high stabilization accuracy that eliminates the oscillations while placed on a deflecting MAST even on the move.

EOSS-HD has optional configurations with single pulse, multi pulse eye safe laser range finders and/or laser target designator.

EOSS-HD has the capability of video recording in both infrared and day sight conditions.

General Specifications

- 360° day/night panoramic surveillance
- Day/night automatic target tracking
- Very high range performance
- Very accurate stabilization
- Day/night video recording
- Single/multi pulse laser range finding
- Laser target designation (optional)

Infrared Thermal Unit (HD)

- Operating Band : 8-12 μm IR band
- Analog Video Output : CCIR or RS-170
- HD Digital Video Output : DVI

Camera Mode

- Resolution : 576x1690
- Wide Field of View (Horizontal) : $12^\circ \pm 10\%$
- Narrow Field of View (Horizontal) : $3.6^\circ \pm 10\%$
- Digital Zoom : x2
- 360° Panoramic Display Mode
- 1/6-1 frame / second

Day Sight Unit (HD)

- Field of view : Between 5.4° and 50°
- Elektronic Zoom : 2x
- HD Digital Video Output : DVI

Laser Range Finder (Standard)

- Operating Band : 1540 nm (nominal) eyesafe
- Range : 20 km.
- Accuracy : 5 m.
- Multi target alert
- First/last reflection options

Laser Range Finder (Multi Pulse)

- Operating Band : 1540 nm (nominal) eyesafe
- Pulse : 20 pulse/s
- Range : 20 km.
- Accuracy : 5 m.
- Multi target alert
- First/last reflection options

Laser Target Designator (Optional)

- Operable in two operating bands; eyesafe and non-eyesafe