

ASELFIR-400

ELECTRO-OPTICAL RECONNAISSANCE
AND SURVEILLANCE SYSTEM

HIGH PERFORMANCE IR CAMERA

FULL HD DAY TV CAMERA

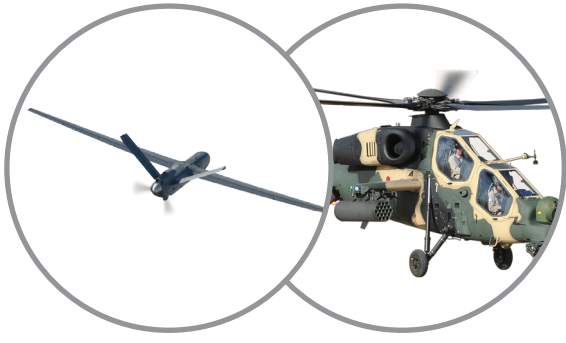
LASER DESIGNATOR

EYE-SAFE LASER RANGE FINDER

LASER POINTER

SINGLE LRU





ASELFILIR-400

ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

Applications

- Targeting Systems
- Border / Coast Security
- Long Range Detection, Recognition & Identification

Main Features

- High Performance Cooled IR Camera
- Full HD Color Day TV Camera
- Eye-Safe Laser Range Finder
- Laser Spot Tracker (Optional)
- Laser Target Designator (Optional)
- Laser Pointer (Optional)
- SWIR Camera (Optional)
- SWIR Illuminator (Optional)
- Compact and Lightweight Design
- Single LRU System
- Superior Range Performance
- Advanced Image Processing
- Multi Target Tracking
- Accurate Target Geo-Location
- Determination of Coarse and Speed of Moving Target
- Inertial Measurement Unit (IMU)
- Gyroscopic Stabilization

Technical Specifications

IR Camera	Sensor Resolution: 1024x768
	Wavelength: 3-5 μm (MWIR)
	Fields of View (FOVs) (Horizontal): Narrow: 1.4° Wide: 27.4°
HDTV Camera	Sensor Resolution: 1920 x 1080
	Fields of View (FOVs) (Horizontal): Narrow: 0.7° Wide: 14.2°
Laser Range Finder	Wavelength: 1550 nm
	Range: 20 km
Field of Regard (FOR)	Azimuth: 360° Continuous Elevation: +20° to -120°
Communication Interface	MIL-STD-1553B, RS-422
Video Interface	SMPTE-292M HD-SDI (1920x 1080p), PAL
Power Interface	28 VDC
Size	Width: < 437 mm Height: < 520 mm
Weight	< 59 kg
Temperature	Operating : -40°C to +52°C Storage : -40°C to +70°C

Option 1

SWIR Camera	Sensor Resolution: 640 x 512 Wavelength: 0.9 - 1.7 μm (SWIR) Fields of View (FOVs) (Horizontal): Narrow: 1.6° Wide: 29°
SWIR Illuminator	Wavelength: NIR (Compatible with SWIR Camera)
Laser Pointer	Wavelength: NIR (Compatible with NVGs)

Option 2

Laser Designator	Laser Type: Diode pumped ND:YAG Wavelength: 1064 nm Coding: STANAG 3733 Band I & II
Laser Spot Tracker	Wavelength: 1064 nm Fields of View (FOV) (Horizontal): 3.0°

