

# ASELFIR-3000

ELECTRO-OPTICAL DIRECTOR

SUPERIOR RANGE PERFORMANCE

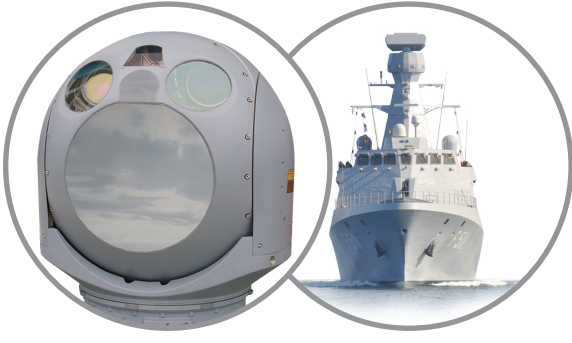
HIGH RESOLUTION (1440X576) IR CAMERA

ZOOM DAY TV CAMERA

3-CCD SPOTTER TV CAMERA

LASER RANGE FINDER AND TARGET DESIGNATOR





# ASELFLIR-300D

## ELECTRO-OPTICAL DIRECTOR

### Applications

- Naval Fire Control
- Reconnaissance and Surveillance

### Main Features

- Superior Range Performance
- High Resolution (1440x576) IR Camera
- Day TV Camera
- 3-CCD Spotter TV Camera
  - Separate CCDs for Red, Green and Blue Color Channels
  - 3 Times More Sensor Pixels Used Than 1-CCD Cameras
- Laser Range Finder and Target Designator
- External Boresight Unit (Optional)
- Advanced Image Processing
- Multi Target Tracking
- Simultaneous Target Tracking on IR and TV (Day TV or Spotter TV) Videos
- Accurate Target Geo-Location
- Determination of Coarse and Speed of Moving Target
- Inertial Measurement Unit (IMU)
- Accurate 4-Axis Stabilization
- Internal Heating/Cooling
- Hand Control Unit (Optional)

### Technical Specifications

IR Camera Resolution	1440x576 (LWIR)
Fields of View (FOVs) (Horizontal)	IR: 1.75° - 6.4° - 30°
	Day TV: 2° - 40° (Continuous zoom)
	Spotter TV: 0.8°
Field of Regard (FOR)	Azimuth: 360° continuous
	Elevation: -50° to +105°
Laser Range Finder and Target Designator	Range: up to 20 km Wavelength: 1064 nm Repetition rate: up to 20 Hz
Communication Interface	Ethernet, RS-422
Video Interface	3x Analog PAL/CCIR 1x Digital (Optional)
Power Interface	28 VDC
Size	Turret Unit: Diameter: 534 mm Height: 633 mm
	Electronics Unit: 315x456x255 mm
Weight	Turret Unit: 95 kg Electronics Unit: 23 kg

