

ASELFIR-300T

ELECTRO-OPTICAL RECONNAISSANCE,
SURVEILLANCE AND TARGETING SYSTEM

SUPERIOR RANGE PERFORMANCE

HIGH RESOLUTION (1440X576) IR CAMERA

DAY TV CAMERA (OPTIONAL)

3-CCD SPOTTER TV CAMERA

LASER RANGE FINDER AND TARGET DESIGNATOR

LASER POINTER (OPTIONAL)

LASER SPOT TRACKER (OPTIONAL)





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Applications

- Targeting
- Reconnaissance and Surveillance

Main Features

- Superior Range Performance
- High Resolution (1440x576) IR Camera
- Day TV Camera (Optional Selection Instead of Laser Pointer)
- 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
- Laser Pointer (Optional Selection Instead of Day TV Camera)
- Laser Spot Tracker (Optional)
- 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
- Automatic Alignment with Platform
- Internal Heating/Cooling
- Hand Control Unit (Optional)
- Nose-Up and Nose-Down Configurations

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
	Nose-Up Configuration: Elevation: -50° to +150° Nose-Down Configuration: Elevation: +20° to -105°
Laser Range Finder and Target Designator	Range: up to 20 km Wavelength: 1064 nm Repetition rate: up to 20 Hz
Laser Pointer	Wavelength: NIR (Compatible with NVGs)
Laser Spot Tracker	Wavelength: 1064 nm
Communication Interface	MIL-STD-1553B, 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

