ASELFLIR | 300T

ELECTRO-OPTICAL RECONNAISSANCE, SURVEILLANCE AND TARGETING SYSTEM

#ElectroOptics



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)

aselsan

ASELFLIR 300T

ELECTRO-OPTICAL RECONNAISSANCE, SURVEILLANCE AND TARGETING SYSTEM

Applications

- Targeting
- Reconnaissance and Surveillance

Main Feautures

- 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
  - Option 1 : 1440x576 (LWIR)
  - Option 2 : 640x512 (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)
  - 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 : 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 : 315 mm x 456 mm x 255 mm
- Weight
  - Turret Unit : 95 kg
  - Electronics Unit : 23 kg

Specifications are subject to change without any notice. | All tolerances are within ±10%.



MEOS - ASELFLIR 300T - 08.2025

CALL CENTER +90 850 360 10 30 | P: +90 (312) 592 10 00 F: +90 (312) 354 13 02 | meosmarketing@aselsan.com

aselsan