ASELFLIR 400

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ELECTRO-OPTICAL RECONNAISSANCE
AND SURVEILLANCE SYSTEM

#ElectroOptics



HD IR CAMERA
FULL HD DAY TV CAMERA
SWIR CAMERA
LASER RANGE FINDER
SWIR ILLUMINATOR
LASER POINTER
SINGLE LRU

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ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

ASELFLIR 400 Electro-Optical Reconnaissance And Surveillance System is used on rotary wings air platforms, tracked and wheeled vehicles, unmanned land-air platforms, border/coast security applications with reconnaissance, surveillance, long range detection, recognition & identification capabilities.

HD IR Camera (MWIR), Full HD Color Day TV Camera, and SWIR Camera are the imaging modes of the ASELFLIR 400. Distributed aperture system with gyroscopic stabilization is becoming the eye of the platform it is integrated with superior range performance, advanced image processing, inertial measurement unit (IMU), multi target tracking, accurate target locating, determination of course and speed of moving target capabilities.

Applications

- Rotary and Fixed Wings Air Platforms
- Unmanned Land and Naval Platforms
- Tracked and Wheeled Vehicles
- Reconnaissance, Surveillance and Targeting
- Border/Coast Security
- Long Range Detection, Recognition & Identification

Main Features

- HD IR Camera (MWIR)
- Full HD Color Day TV Camera
- SWIR Camera
- Compact and Lightweight Design
- Single LRU System
- Superior Range Performance
- Advanced Image Processing
- Multi Target Tracking
- Accurate Target Geo-Location
- Determination of Course and Speed of Moving Target
- Inertial Measurement Unit (IMU)
- Gyroscopic Stabilization

Laser Units

- Eye-Safe Laser Range Finder (LRF)
- SWIR Illuminator
- Laser Pointer

Technical Specifications

IR Camera

- Sensor Resolution : 1024x768
- Wavelength : 3-5 µm (MWIR)
- Fields of View (FOVs) (Horizontal) : Narrow: 1.4° (digital 0.35°) Wide: 26.0°

DayTV Camera

- Sensor Resolution : 1920 x 1080
- Fields of View (FOVs) (Horizontal) : Narrow: 0.71° (digital 0.18°) Wide: 14.2°

SWIR Camera

- Sensor Resolution : 640 x 512
- Wavelength : 0.9 - 1.7 µm (SWIR)
- Fields of View (FOVs) (Horizontal) : Narrow: 1.6° (digital 0.4°) Wide: 27.0°

Laser Range Finder

- Wavelength : 1550 nm (Eye Safe)
- Range : Up to 20 km

SWIR Illuminator

- Wavelength : NIR (Compatible with SWIR Camera)

Laser Pointer

- Wavelength : NIR (Compatible with NVGs)

Field of Regard (FOR)

- Azimuth : 360° Continuous
- Elevation : +85° to -100°

Communication Interface : MIL-STD-1553B, RS-422

Video Interface : SMPTE-292M HD-SDI (1920x 1080p)

Power Interface : 28 VDC

Size

- Width : < 437 mm
- Height : < 520 mm

Weight : 57 kg ± %5

Temperature

- Operating : -40°C to +52°C
- Storage : -54°C to +71°C



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

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