ASELFLIR 410

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ELECTRO-OPTICAL RECONNAISSANCE,
SURVEILLANCE AND TARGETING SYSTEM

#ElectroOptics



HD IR CAMERA
FULL HD DAY TV CAMERA
SWIR CAMERA
LASER DESIGNATOR
LASER SPOT TRACKER
LASER RANGE FINDER
SINGLE LRU

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ELECTRO-OPTICAL RECONNAISSANCE, SURVEILLANCE AND TARGETING SYSTEM

ASELFLIR 410 Electro-Optical Reconnaissance, Surveillance and Targeting System is used on rotary wings air platforms, tracked and wheeled vehicles, border/coast security applications with reconnaissance, surveillance and targeting, 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 410. 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

- Laser Range Finder (LRF)
- Laser Designator
- Laser Spot Tracker

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 Designator

- Laser type : Diode pumped ND:YAG
- Wavelength : 1064 nm
- Range : up to 30 km
- Repetition Range : up to 20 Hz
- Coding : STANAG 3733 Band I & II

Laser Range Finder

- Wavelength : 1064 nm
- Range : up to 30 km

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 : < 480mm
- Height : < 520 mm

Weight : 57 kg ± %5

Temperature

- Operating : -40°C to +55°C
- Storage : -54°C to +71°C



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

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