ASELPOD

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ADVANCED TARGETING POD

#ElectroOptics



SUPERIOR RANGE PERFORMANCE
HIGH PERFORMANCE IR AND TV CAMERAS
DUAL-WAVELENGTH LASER RANGE FINDER
ADVANCED IMAGE PROCESSING
ACCURATE TARGET GEO-LOCATION
ACCURATE STABILIZATION

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Applications
- Targeting
- Reconnaissance and Surveillance

Main Features
- Superior Range Performance
- High Performance IR and TV Cameras
- Laser Range Finder and Target Designator
- Laser Pointer
- Laser Spot Tracker
- Dual-Wavelength Laser Range Finder
  - Combat Mode
  - Training Mode (Eye-Safe)
- Common FOVs for IR and TV Cameras
- Super Wide Field of View for IR Camera
  - Navigation Capability at Night
  - Better Situational Awareness Before Switching to Narrower FOVs
- Advanced Image Processing
- Sensor-In-Sensor
- PIP
- Multi Target Tracking
- Laser Lead Guidance
- Inertial Target Tracking and IR/TV Video Target Tracking
- Accurate Target Geo-Location
- Inertial Measurement Unit (IMU)
- Accurate Stabilization
- Automatic Alignment with Platform
- Integrated Environmental Control Unit
- Continuous Roll
- Stow Position
- Air-to-Air and Air-to-Ground Modes
- Video and Data Recorder (Optional)
  - Solid State Type Recorder for High Reliability
  - Simultaneous Recording of IR and TV Videos and Mission Data
  - Zeroize
  - Mission Debriefing
  - In-Flight Video Playback

Technical Specifications

IR Camera
- Sensor Resolution : 640x512
- Fields of View (FOVs)
  - Narrow : 0.78° x 0.78°
  - Wide : 4° x 4°
  - Super Wide : 21° x 21°
- Digital zoom : Continuous up to 8X
- HUD : 28° x 21° (Optionally some smaller angles available)

TV Camera
- Sensor Resolution : 768x576
- Fields of View (FOVs)
  - MFD Output
  - Narrow : 0.78° x 0.78°
  - Wide : 4° x 4°

Mechanical Movement Angles
- Roll : 360° continuous
- Pitch : +45° to -165°

Laser Range Finder and Target Designator
- Wavelength (Combat) : 1064 nm
- Wavelength (Training) : 1570 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

Video Interface
- 2x Analog Video Output
- 1x Analog Video Input (Provision)

Size
- Diameter : 430 mm (Excluding air inlet)
- Length : 2350 mm

Weight : 240 kg



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

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