

ASELPOD

ADVANCED TARGETING POD

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





ASELPOD

ADVANCED TARGETING POD

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
- 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 (Optional 4:3 aspect ratio) 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° (Optional 4:3 aspect ratio)
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

