SeaEye-AHTAPOT

ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

HIGH PERFORMANCE THERMAL IMAGER
HIGH PERFORMANCE DAYTV / SPOTTER CAMERA
EYE SAFE LASER RANGE FINDER
OPTIONAL LASER DESIGNATOR
LOW FAILURE RATE AND HIGH SURVIVABILITY
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ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

Applications
- Surveillance and Reconnaissance
- Fire Control

Main Features
- High Performance IR Camera
- High Performance HDTV Camera
- High Performance Spotter Camera
- Eye Safe Laser Range Finder
- Laser Designator (Optional)
- Automatic Target Detection
- Target Geolocation
- Slave Mode
- Synch. Of Target Details
- Image Optimization
- Image Polarization
- Image Freezing
- Multi Target Tracking
- BIT Function
- Interface with SYS and GVDS
- Accurate Stabilization
- Laser Blackout Signal
- Laser Masking

Environmental Conditions
- MIL-STD-810G w/Change 1
- MIL-STD-461F

Technical Specifications

Thermal Camera
- Wavelength : MWIR
- Resolution : 640x512
- Horizontal FOV
  - Wide FOV (H) : 13.5°
  - Middle FOV (H) : 6.4°
  - Narrow FOV (H) : 2°
  - Very Narrow FOV(H) : 1°
- Electronic Zoom : 2x, 4x
- Focus : Auto, Manual

TV Camera
- Sensor : CCD or CMOS
- Resolution : 1920x1080
- Horizontal FOV
  - Very Wide FOV (H) : 30°
  - Wide FOV (H) : 13.5°
  - Middle FOV (H) : 6.4°
  - Narrow FOV (H) : 2°
  - Very Narrow FOV (H) : 1° (with Digital Zoom)
- Electronic Zoom : 2x, 4x
- Ocak : Auto, Manual

Spotter Camera
- Sensor : CCD or CMOS
- Resolution : 1280x720
- Horizontal FOV
- Focus : Manual

Laser Range Finder
- Wavelength : 1.570 μm
- Range : 300 m - 20 km
- Accuracy : ± 5m (1σ)
- Divergence : ≤ 0.7 mrad
- Max. Repetition Rate : 20 Hz

Laser Designator (Optional)
- Wavelength : 1064 nm (±2 nm)
- Range : 300 m - 20 km
- Accuracy : 5 m (1σ)
- Divergence : ≤ 0.7 mrad
- Max. Repetition Rate : 20 Hz

Pan&Tilt Unit
- Angular Velocity : ≥ 3.0 rad/s
- Stabilization : 2 axis

Communication
- Interfaces : RS422, Ethernet
- Video : Ethernet, HD-SDI, PAL

Power
- Compatibility : STANAG 1008
- MIL-STD 1399

Mechanical Specs
- Gross Weight (kg)
  - EO Suite & Director : ≤ 250
  - Electronic Unit : ≤ 20
- Dimensions (mm)
  - EO Suite & Director : <1100 x 1000 x750
  - Electronic Unit : <315x255x455