

# DENİZGÖZÜ KIRLANGIÇ

ELECTRO-OPTICAL RECONNAISSANCE AND  
SURVEILLANCE SYSTEM

COMPACT AND LIGHT-WEIGHT SYSTEM

HIGH PERFORMANCE IR CAMERA

DAY TV CAMERA

EYE-SAFE LASER RANGE FINDER

LASER POINTER





# DENİZGÖZÜ KIRLANGIÇ

## ELECTRO-OPTICAL RECONNAISSANCE AND SURVEILLANCE SYSTEM

### Applications

- Ships and Fast Boats
- Border/Coastal Surveillance
- Rescue Operations
- Long Range Detection/Recognition/Identification

### Main Features

- Compact and Light-Weight System
- High Performance IR Camera
- High Definition TV Camera
- Eye-Safe Laser Range Finder
- Laser Pointer
- Digital Video Output
- Automatic Target Tracking
- Accurate Stabilization
- Optional Single-LRU System

### Technical Specifications

#### Thermal Camera

- Wavelength : MWIR (3-5  $\mu\text{m}$ )
- Sensor Resolution : 640x512
- HFOV
  - Wide : 22°
  - Medium : 6°
  - Narrow : 2.2°
- Optical Zoom : >10x, Continuous
- Digital Zoom : 2x, 4x

#### Day TV Camera

- Sensor Type : CMOS
- Resolution : 1920x1080
- HFOV (Narrow-Wide) : 2.3°- 63°
- HFOV
  - Super Wide : 63°
  - Wide : 25°
  - Medium : 6°
  - Narrow : 2.3°
- Optical Zoom : 30x, Continuous
- Digital Zoom : 2x, 4x

#### Laser Range Finder

- Wavelength : 1.54 $\mu\text{m}$
- Class : Class I, Eye Safe
- Accuracy :  $\pm 5\text{m}$  (1 $\sigma$ )

#### Lazer Pointer

- Wavelength : 830nm( $\pm 5\%$ ) (NIR, Compatible with NVG's)

#### Electrical Interface

- Power : 24 VDC
- Platform Interface : Ethernet
- Video Interface : Gig. Eth, HD-SDI

#### Mechanical Interface

- Weight : < 35 kg
- Size : < 350 mm in diameter  
< 450 mm height
- Gimbal FOR
  - Elevation : -55°/+90°
  - Azimuth : 360°, Continuous

#### Enviromental Conditions

- MIL-STD-810G w/Change 1

