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DENİZGÖZÜ ORFOZ

ELECTRO-OPTIC BORDER/COASTAL
SURVEILLANCE SYSTEM

COOLED MIDDLE WAVE (MWIR) THERMAL CAMERA

LONG RANGE HD DAY-TV

MOTORIZED PAN&TILT UNIT

EYE-SAFE LASER RANGE FINDER (OPTIONAL)



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ELECTRO-OPTIC BORDER/COASTAL SURVEILLANCE SYSTEM

Applications

- Facility security
- Coast guard
- Long range surveillance
- Tactical reconnaissance
- Border surveillance

Main Features

- Field of view selection
- Advanced image processing algorithms
- Motorized focus and zoom adjustment
- Automatic and manual gain/level adjustment
- Thermal polarity change
- IP communication
- Auto video tracking
- Electronic image stabilization
- Day-Tv optical filter + software algorithm to increase view distance in fogged weather
- Day-Tv IR Cut-Off filter increases performance in low light conditions

Technical Specifications

Mechanical Interface

- Weight : < 90 Kg
- Dimensions : < 115 cm Rotation Diameter
: < 155cm Height (including pedestal)
- Travel Range : $\pm 43^\circ$ (Tilt)
: $\text{nx}360^\circ$ (Pan) or ∞ (Pan)
- Rotational Speed : > 30°/s (Max)
: 0.01°/s (Min)

Environmental Conditions

- Environmental Spec : MIL-STD-810
: MIL-STD-461
- Wind Resistance : 130 km/h (Operating)
: 260 km/h (Survival)

General Specifications

- Video : Ethernet (H264) /HD-SDI
- Communication : Ethernet
- Input voltage : 180-240v AC Monophase

Laser Range Finder (Optional)

- Type : ER:GLASS
- Range : 100m – 20.000m
- Repetition Rate : 30 PPM

Thermal Camera

- Detector Type : MWIR (3-5 μm), Cooled
- Sensor Resolution : 640 x 512
- Digital Zoom : 2x, 4x
- Optical Zoom : Continuous
- Field Of View
 - Wide : $15^\circ \times 12^\circ$
 - Middle : $3^\circ \times 2.4^\circ$
 - Narrow : $0.9^\circ \times 0.72^\circ$
- Video Output : SDI, Ethernet (H.264)

Day-Tv

- Detector Type : CMOS
- Sensor Resolution : 1920 x 1080
- Field Of View (HxV)
 - Narrow : $0.4^\circ \times 0.21^\circ$
 - Wide : $20^\circ \times 11.25^\circ$
- With 2x Optic Extender
 - Narrow : $0.2^\circ \times 0.11^\circ$
 - Wide : $10^\circ \times 5.62^\circ$
- Digital Zoom : 2x, 4x
- Optical Zoom : > 50x (Continuous)
: > 100x (With 2X Optic Extender)
- Video Output : HD-SDI, Ethernet (H.264)

