ORFOZ 120

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ELECTRO-OPTIC BORDER/COASTAL SURVEILLANCE SYSTEM

#ElectroOptics



COOLED MIDDLE WAVE (MWIR) THERMAL CAMERA
LONG RANGE HD DAY-TV
MOTORIZED PAN&TILT UNIT
EYE-SAFE LASER RANGE FINDER

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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 manuel 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 : ± 43° (Tilt)
  : nx360° (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
- Wavelength : 1570 nm
- Range : 100m – 20.000m
- Repetition Rate : 0,5 Hz

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° x 12°
  - Middle : 3° x 2.4°
  - Narrow : 0.9° x 0.72°
- Video Output : SDI, Ethernet (H.264)

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

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



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