Advanced Thermal Imaging

MLT-TDR-10

AUTO TRACKING
STABILIZED PAN-TILT
COOLED THERMAL CAMERA
DAY CAMERA
LASER RANGEFINDER

FEATURES

High performance Cooled Thermal Sensor
High-Resolution Detector - 640x512
Motorized Thermal Lens 15mm - 280mm
Laser Rangefinder up to 10km
Day Camera Full HD 1080p 10mm - 1000mm
2 Control Stations
Stabilized Pan-Tilt
19" XGA Display Monitors
Joystick Control
GPS
Compass
**MLT-TDR-10**

**THERMAL CAMERA**
- Sensor type: Cooled Thermal Sensor
- Resolution: 640 x 512, 15 um InSb FPA
- Frame Rate: Up to 60Hz
- Spectral response: 3 - 5 um
- Sensitivity: < 20 mK @ 50% Well Fill Capacity

**DAY CAMERA**
- Sensor type: 1/2.8" CMOS Sensor Full HD 1080p
- Optical Zoom: 20x (up to 240x With Digital Zoom)

**LASER RANGE FINDER**
- Measurement Range: Up to 10Km
- Measuring Rate: 0.5 - 10Hz
- Wavelength: 1550nm Eye Safe
- Laser Life time: More than 500,000 measurements

**CONTROL STATION**
- Monitor: 19"XGA Display
- User Input: Joystick and Touchscreen
- Recording: Video and Photo recording, Day and/or Thermal Camera
- Modes: Manual or Auto Tracking
- Controls: IR Polarity, IR Filter, Contrast, Brightness, Target Tracking, Zoom
- On-screen Indicators: Polarity, Zoom level, Digital magnetic compass bearing, LRF distance

**POWER**
- Ship Power: 115V or 220V AC, 50/60Hz
- UPS Protection: Double Conversion

**ENVIRONMENTAL**
- Operation temp: -25°C to +55°C
- Standard: MIL-STD-810G
- Waterproof: IP67
- Material: Metal Anodized
- Wind Resistance: 120km/h (11 Beaufort)

**STANDARD FEATURES**
- Control Stations: Master and Slave
- Pan Tilt Range: 360° horizontal, -90° / +30° vertical
- Pan Tilt Motion: Joystick Control or Stabilized

**OPTIONAL FEATURES**
- Control Station: Image and related Information (Slave mode)
- Interoperability: Radar and Fire Control System (FCS)
- GPS: For Target Positioning through LRF & DMC

**DIMENSIONS**
- Sensor Head Weight: 5900 gr
- Pan-Tilt Weight: 9000 gr
- Size (L x W x H): 265 x 285 x 138 mm

**Thermal Camera DRI (km)**

- MAN (1.8 x 0.5m): 4.1
- SMALL BOAT (2.3 x 2.3m): 6.0

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