

# Advanced Thermal Imaging

## MLT-TDR-10A IRIS

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



### INCOMPARABLE THERMAL IMAGING QUALITY



### FEATURES

- High performance Cooled Thermal Sensor
- High-Resolution Detector - 640x512
- Motorized Thermal Lens 15mm - 300mm
- 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-10A

## THERMAL CAMERA

Sensor type	Cooled Thermal Sensor
Resolution	640 x 512, 15 $\mu$ m InSb FPA
Frame Rate	Up to 60Hz
Spectral response	3 - 5 $\mu$ m
Sensitivity	< 20 mK @ 50% Well Fill Capacity

## DAY CAMERA

Sensor type	1/2.8" CMOS Sensor Full HD 1080p
Optical Zoom	30x

## LASER RANGE FINDER

Measurement Range	Up to 10Km (standard NATO Target)
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

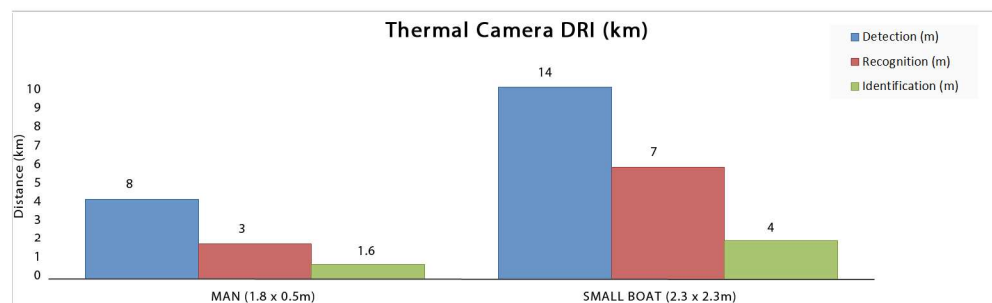
Control Stations	Master and Slave
Pan Tilt Range	360° horizontal, -90° / +30° vertical
Pan Tilt Motion	Joystick Control or Stabilized

## 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



According to Johnson Criteria & STANAG 4347