

TORNADO-ER

Advanced IR Scanning System



The TORNADO-ER is an advanced IR system designed to automatically detect and acquire land and maritime targets.

The TORNADO-ER System provides a unique solution by using highly sensitive sensors and advanced Real-time video algorithms.

CONTROP's SPEED-LR System may be integrated with complimentary components in order to offer a full solution for defense and homeland security (HLS) operational requirements.

Applications

Coastal Surveillance
Terrain Dominance
Border Surveillance
Force Protection

Technical info:

KG	75kg
FL	100, 400mm
KM	up to 12km

FL Thermal Imaging Focal Length

KM Thermal Imaging detection range to NATO target

CONTROP
Turning Vision Into Reality

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Features

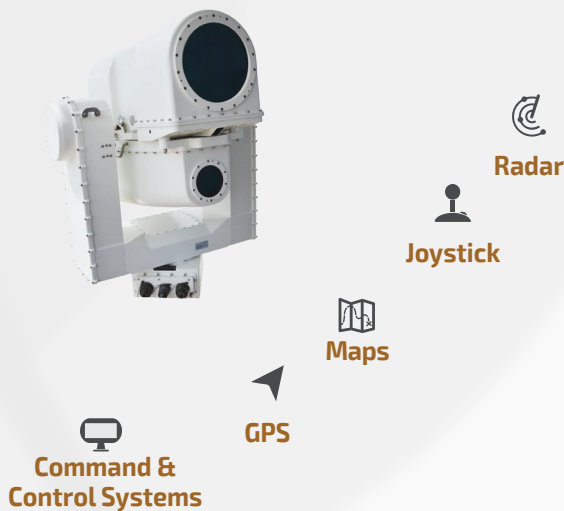
Automatic Detection
Panoramic View
Target Acquisition
Advanced Image Processing

Optional

Control & Display Unit (CDU)
Digital Video Recorder (DVR)

Image Processing

Local AGC
Video Enhancement
Automatic Video Tracker
Automatic Scanning



Electro-Mechanical

Type: 2 Gyro-stabilized (2 Axes)
Field of Regard: Azimuth: n x 360° (continuous)
Elevation: +20° to -20°

Thermal Imaging (TI) Sensor 400mm

Spectral Range: 3.0 - 5.0 μm
Detector: FPA 640x512 XBN
Lens: 400 mm
Field of View: 1.3°

Thermal Imaging (TI) Sensor 100mm

Spectral Range: 3 - 5 μm
Detector: FPA 640x512 XBN
Lens: 100 mm
Field of View: 5.5°

Physical Characteristics

TI 400mm Weight: 20kg
TI 100mm Weight: 13kg
Gimbal Weight: 42kg

Electrical Interface

Voltage: 220 VAC or 28VDC
Power Consumption: 500 Watt (nominal)
Video Outputs: GigE

Environmental Conditions

Temperature: -30° to 55° C
Humidity: Up to 95% (non-condensing)

CONTROP reserves the right to change specifications without prior notice