



# THOR

## ELEVATED MAST PLATFORM

- ★ 20+ m Elevation
- ★ Up to 800 kg payload
- ★ Fully mobile elevated mast system
- ★ Carbon fiber mast
- ★ Fully electric drive (manual backup)
- ★ Easy to integrate into any vehicle
- ★ Easy to mount on any camera, radar, weapons system or sensor



# ELEVATED SUPERIORITY WITH THE THOR MAST

## Overview

The THOR mast is a compact, vehicle-integrated elevation system engineered for rapid deployment and sustained operations. Rated to lift up to 800 kg and extend from a minimal stowed height to 20+ meters, THOR delivers elevated line-of-sight, extended communications reach and improved sensor coverage while preserving vehicle mobility and a minimal footprint.

## Key Benefits

- High reach with low stowage: Extends from 0.4 m nested height to 20+ m fully elevated, enabling superior surveillance and communications without compromising transportability.
- Balanced payload capacity: Rated for 800 kg, supporting medium-size radars, EO/IR sensors, comms arrays and light weapon packages.
- Compact footprint: Small stow profile and modular mounting reduce chassis modification and logistic impact.
- Protected operation: Fully operable from within the vehicle; manual backup drives ensure redundancy.
- Tactical mobility: Designed for full mast elevation while retaining cross-country and urban manoeuvrability where platform capability permits.
- Ruggedized for harsh environments: Sealed components and durable finishes for extended field life.

## Technical Data — General

- Stowed (nested) height: 0.4 m.
- Maximum elevation: 20+ meters (platform- and configuration-dependent).
- Payload rating: 800 kg.
- Operation: In-cab control for stationary and mobile modes (platform dependent).
- Power: Nominal 28 VDC, MIL-STD-1275A compatible.
- Drive systems: Primary electric/hydraulic actuation with manual mechanical backup.
- Footprint: Low-profile base and modular mounting options to suit a wide range of vehicles.

## Supported Payloads & Capabilities

- Missile system integration (platform adapters available).
- Grenade launcher modules and light direct-fire weapon mounts.
- Overhead weapons station options for remote weapon operations.
- Sensor suites: EO/IR turrets, multi-mode short/medium-range radars, LIDAR and acoustic arrays.
- Communications: High-gain antennas, relay masts, and SATCOM interface options.
- Counter-UAS: Provisioning for directed RF/EO and payload integration.
- Custom interfaces: Power, data and mechanical mounts tailored to customer payloads.

## Environmental & Durability Specifications

- Operational temperature range:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- Ingress protection: Sealed bellows and gaskets to protect against sand, dust, snow, ice and rain.
- Materials & finish: Corrosion-resistant materials and mission-grade seals for extended operational life.
- Maintainability: Modular LRUs for simplified field serviceability and reduced MTTR.

## Options & Configurations

- Remote control station (networked or local remote).
- Platform kits: Vehicle-specific adapter kits for wheeled, tracked or non-standard platforms.
- Sensor/weapon bundles: Pre-integrated packages for ISR, comms or counter-UAS roles.
- Power & C2: Integrated power management and secure command-and-control interfaces available.

## Integration, Training & Support

- Mounting & installation: Modular interface frames and vehicle adapter kits minimize structural modifications and installation time.
- Training: Operator, maintainer and technician training programs, with optional simulator-based instruction.
- Sustainment: Spare parts kits, field support packages and logistics planning to support lifecycle readiness.
- Certification: Designed to meet common military electrical and environmental standards; platform-specific certification available.

## Summary

The THOR mast is a mission-ready elevation system providing exceptional vertical reach, compact stowage and reliable payload support for mid-weight sensors and weapon systems. Its low-profile design and rugged engineering make it an excellent solution for reconnaissance, communications, counter-UAS and light direct-fire support roles.

















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