



ELEVATED MAST PLATFORM

- ★ 20+ m Elevation
- ★ Up to 2000 kg payload
- ★ Elevated mast system
- ★ Carbon fiber mast
- ★ Fully electric drive (manual backup)
- ★ Easy to integrate into any vehicle container and trailer
- ★ Easy to mount on any camera, radar, weapons system or sensor



ELEVATED SUPERIORITY WITH THE HEIMDALL MAST

Overview

The HEIMDALL mast is a heavy-duty, vehicle-integrated elevation system engineered for maximum reach, payload capacity, and operational flexibility. Rated for up to 2.000 kg payloads and full extension beyond 20 m, HEIMDALL delivers elevated vantage, rapid deployment and continuous mobility for ISR, weapons, comms and counter-UAS missions.

Key Benefits

- Extreme elevation: Full extension to 20+ m, improving sensor horizon, communications range and engagement geometry.
- High payload capacity: Supports payloads up to 2.000 kg (2 t) for large radars, weapon systems or combined sensor suites.
- Compact footprint: Small stowage profile and modular mounting minimize vehicle and platform impact.
- Protected operation: Fully operable from within the host vehicle; manual backup drives for redundancy.
- Full-mobility elevation: Designed to achieve full elevation while maintaining cross-country and urban mobility where platform capability permits.
- Ruggedized design: Hardened for extreme climates and adverse conditions.

General Technical Data

- Maximum elevation: 20+ meters (platform- and configuration-dependent).
- Payload rating: 2.000 kg (2 t).
- Operation: In-cab control (stationary and while-mobile modes where platform allows).
- Power: Nominal 28 VDC, MIL-STD-1275A compatible.
- Drive systems: Primary electric/hydraulic drives with manual mechanical backup.
- Footprint: Low stowage profile; modular base for minimal vehicle modification.
- Deployment: Rapid extend/retract cycles designed for tactical responsiveness.

Supported Payloads & Weapons Interfaces

- Missile systems (various platform adapters).
- Grenade launcher modules and light direct-fire weapons.
- Overhead weapons station integration for remote weapon systems.
- Sensor suites: EO/IR turrets, multi-mode radars (short/medium range), SIGINT/ELINT pods, LIDAR and acoustic arrays.
- Communications: High-gain antennas, SATCOM masts and relay nodes.
- Counter-UAS: Directed RF/EO/kinetic payload integration provisions.
- Custom interfaces: Power, data and mechanical mounts tailored to customer payload requirements.

Environmental & Durability Specs

- Operational temperature range: -40°C to $+70^{\circ}\text{C}$.
- Protection: Sealed bellows and gaskets for sand, dust, snow, ice and rain ingress protection.
- Materials: Corrosion-resistant finishes and mission-grade seals for extended service life in maritime and desert environments.
- Maintenance: Modular line-replaceable units (LRUs) to simplify field repairs and reduce MTTR.

Options & Configurations

- Remote control / local override — networked or direct control station options.
- Trailer-mounted variant for expeditionary or fixed-site deployment.
- Container-mounted configuration for rapid roll-on/roll-off installation in expeditionary bases.
- Platform kits — bespoke vehicle interface kits for wheeled, tracked or non-standard platforms.
- Sensor/weapon packages — pre-integrated ISR, comms or counter-UAS bundles.
- Power & C2 — integrated power management and secure data backhaul options.

Integration, Training & Support

- Mounting & integration: Modular interface frames and vehicle-specific adapter kits minimize structural modifications.
- Training: Operator, maintainer and technician courses available, plus simulator-based training on request.
- Sustainment: Spare parts packages, field-support teams, and logistics planning for lifecycle readiness.
- Compliance: Designed to meet common military electrical and environmental standards (platform-specific certification available).

Summary

HEIMDALL is a mission-flexible mast solution for forces and organizations that require unmatched elevation and payload capability in a compact, mobile package. With 20+ m reach, 2.000 kg payload capacity, environmental hardening and a range of platform configurations, HEIMDALL is suited for heavy ISR, long-range communications, and integrated weapon/sensor roles.

FALCK SCHMIDT
DEFENCE SYSTEMS

Nº 1







Hestehaven 21 H
5260 Odense S
Denmark
Tel: +45 66 10 10 15