ALL.SPACE

DELIVERING
NETWORK
RESILIENCE WITH
INTELLIGENCE

Hydra 2

Dual-link Ka Terminal for

Government & Defense



Sense, analyze and react to real-time conditions with the most resilient multi-link multi-orbit mobility terminal

Hydra 2 is a next-generation, software-defined service mobility platform engineered for the most demanding defense SATCOM operations. As the most resilient tactical terminal available, it delivers true multi-link, multi-orbit capability—seamlessly maintaining wideband connectivity across two satellites in GEO and/or MEO orbits simultanuously.

Built to MIL-STD ruggedization, Hydra 2 ensures communications-on-the-move with a solid-state, no-moving-parts architecture for maximum reliability. Designed for warfighters and mission-critical systems, it delivers superior connectivity in contested environments, rough terrain, and heavy seas with electronic beam steering and industry-leading scan performance.



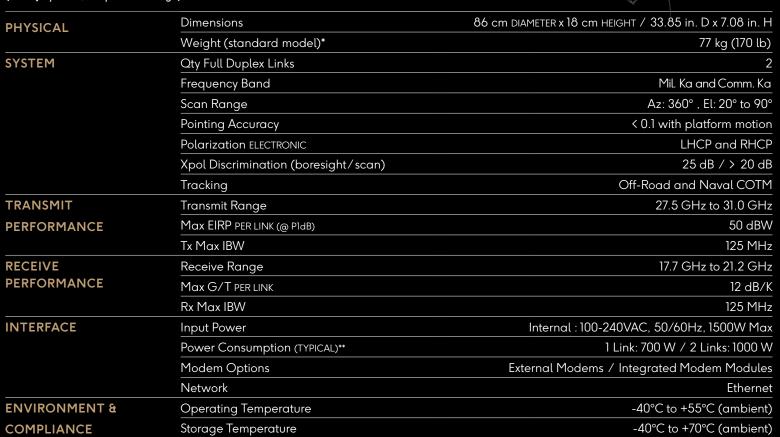
KEY FEATURES

- Simultaneous Two Full Performance Links
 Multiply your throughput and connectivity options
 for total mission assurance
- Multi-orbit Connectivity
 Operation in concurrent GEO and MEO orbits for unrivalled flexibility and resiliency
- Full Ka-band Frequency Range
 Supports both commercial and military Ka-band applications as standard
- Integrated Modems
 Field swappable multi-purpose bays for optional configurations tailored to each mission
- Inherently Resistant to Jamming
 Resilient to unintentional or intentional interference due to lens-array beamforming
- Solid-State, Class Leading Performance Over Scan
 All-electronic, multi-link terminal to allow always-on
 connectivity in the harshest mobility environments

Hydra 2

TECHNICAL SPECIFICATIONS

(As of July 2025; Subject to Change)



^{*} Final weight depends on terminal configuration

TERMINAL OPTIONS

for optional configurations to each and every mission

STAN	IDARI
MOD	EL
INCL	UDES

• 2 x External Modem Pass-Through Bays

Environmental/Certifications (In Progress)

- AC Power Supply Unit
- Web Based GUI
- Standard Cable & Accessories Kit
- Standard Pallet Transport Box



designed to MIL-STD-810H, FCC, CE, RoHS, MIL-STD-461G

INTUITIVE GUI

ADDITIONAL OPTIONS

- 3 x Swappable Multi-Purpose Bays for Integrating a mix of Modems
- RF over Fiber Modules
- DC Power Supply Unit
- Embedded WiFi
- Rugged & Metal Transport Cases
- MIL Color Radomes
- Mounting Kits (vessel fixed and motion)



MULTI-PURPOSE BAY

TERMINAL CERTIFICATIONS

(In Process)

Hydra 2 is certified on SES's Ka-band GEO and O3b mPOWER Ka-band constellation, and will be certified on Viasat Global Xpress, and Ka-band GEO HTS.







^{**} Power consumption per terminal depends on operating mode and duty cycle