

# TARANIS AutoAQYR™

## High-Capacity Ka Terminal

In partnership with AQYR, Viasat is proud to integrate the super-compact Taranis AutoAQYR™ (auto-acquire) SATCOM terminal into Viasat's High-Capacity Ka network and terminal family. The Taranis provides Commercial and Government users with high-speed broadband connectivity in a small, efficient terminal package. With a highly efficient dual optics reflector, the Gregorian antenna is easy to set-up and operate.

Whether you are operating in a remote location, where small size and light weight are important or you require a fast set-up and quick connection, the Taranis is your ideal choice for fixed and nomadic applications. Understanding our customers need for high-throughput connectivity, the Taranis can provide access to high-capacity Ka-band networks. The Taranis provides a path to the Viasat-3 satellite constellation, an ultra-high capacity Ka-band satellite network with 1 Tbps of capacity, to create a truly global broadband experience.

The low SWaP, 65 cm Taranis terminal is comprised of Gregorian dual optics antenna, auto positioner, and integrated RF components. Configured to fit in a single case, the terminal is easy to transport across the globe, enabling connectivity where it is needed. With a robust ruggedized design, the Taranis is a highly capable terminal, receiving data rates comparable to a 75 cm equivalent terminal.

In a matter of minutes, the Taranis terminal can be set-up and follow-on satellite acquisition can be achieved in less than 3 minutes. From opening the case to operating on the satellite, users are fully set up in 5 minutes. With minimal training required and a built-in auto-acquire feature, users can accurately position the terminal to obtain maximized throughput. The Taranis is a low cost of ownership option, as there is no longer a need to ship terminals and send technicians for set-up.

Perfect for operations in harsh conditions, supporting multiple service plans to suit user needs, the Taranis provides industry leading performance for the following applications:

- › Emergency Response
- › Disaster Recovery
- › Military
- › Federal
- › Energy



## Taranis AutoAQYR At-a-Glance

- › Integrated with the Viasat High Capacity Network
- › Full AutoAQYR™ (acquire) terminal
- › Terminal setup is minutes, automatic satellite acquisition is less than 3 minutes
- › Super compact 65 cm Carbon Fiber, dual optics reflector, Gregorian antenna
- › Supports commercial & military Ka-band operations
- › Single or dual case configurations
- › High efficiency on high throughput beams
- › Comparable to a 75 cm parabolic antenna performance
- › 24/7 Terminal Support

# Taranis AutoAQYR

## MECHANICAL SPECIFICATIONS

<b>Antenna Size</b>	65 cm Dual-Offset Gregorian
<b>Antenna Control</b>	Automated
<b>AZ Range</b>	±30°
<b>EL Range</b>	0 to 90°
<b>Pointing Accuracy</b>	< 0.1°

## ENVIRONMENTAL SPECIFICATIONS

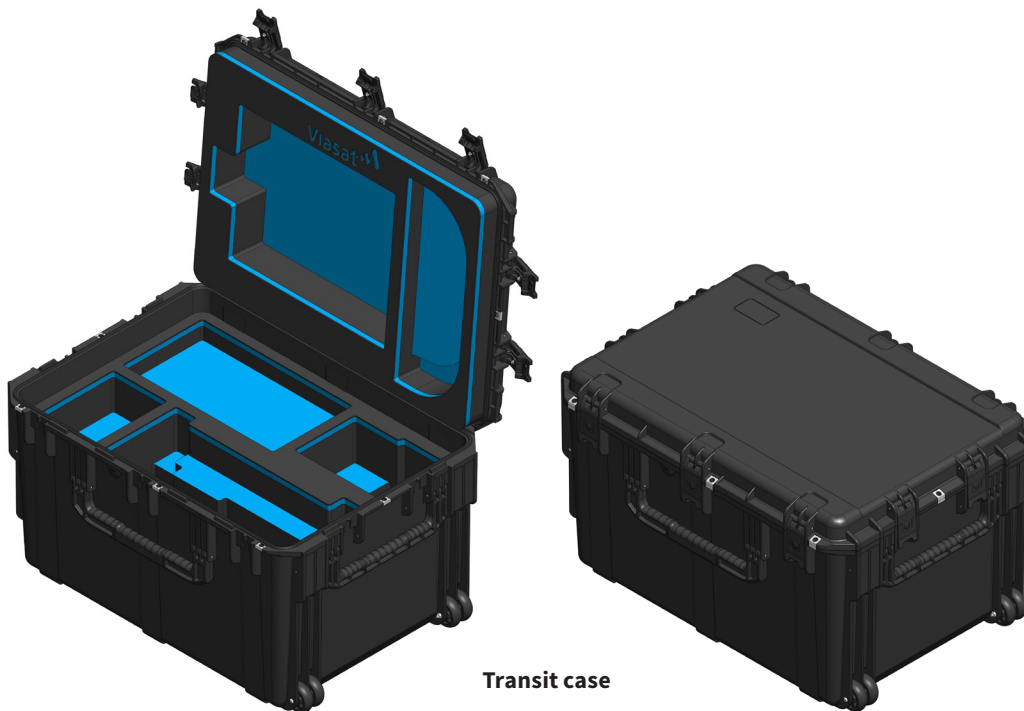
<b>Operating Temp</b>	-30 to +47°C
<b>Storage Temp</b>	-40 to +85°C
<b>Rating</b>	IP65
<b>Designed to MIL-STD 810G</b>	Rain, Dust, Sand, Solar Radiation, Vibration, Altitude, Humidity, Drop, Loose Cargo
<b>Wind Load</b>	30 mph sustained with gusts to 45 mph

## ELECTRICAL / RF SPECIFICATIONS

<b>Power Input</b>	AC-110/240V DC-12/30V (< 150 Watt)
<b>Transmit Frequency</b>	27.5 to 30 GHz
<b>Receive Frequency</b>	17.7 to 20.2 GHz
<b>Antenna Gain TX</b>	43.8 dbiC
<b>G/T</b>	22.5 db/K
<b>TX/RX Isolation</b>	>80
<b>Polarization</b>	Circular, RHCP / LHCP
<b>X Pol</b>	<23 db

## PACKAGING / WEIGHT SPECIFICATIONS

<b>Terminal weight with modem (approximate)</b>	60 lbs; 27.2 kg
<b>Packaged Weight</b>	96 lbs; 43.5 kg
<b>Packaged Size (H x L x D)</b>	37 in. x 94 in. x 42 in.; 94 cm x 122 cm x 106.2 cm
<b>Assembled Terminal Dimensions</b>	40 in. x 39 in. x 39 in.; 102 cm x 99 cm x 99 cm



### Global headquarters

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### Inside Sales

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