

TH-HGA-6500

Data Sheet

Description

The TH-HGA-6500* is a ruggedized mechanically steered Thuraya Aero Antenna. It is based in a dual coil system. Derived from the successful TH-HGA-6000, the TH-HGA-6500 is specifically designed for external mount on helicopters and slower flying aircraft. The TH-HGA-6500 accepts steering commands directly from any ARINC 741 compatible system. This eliminates the need to install a separate Antenna Control Unit (ACU) or Beam Steering Unit (BSU) and improves empennage weight, distribution and installation simplicity.

Features

- Smallest swept volume available for a mechanically steered High Gain Antenna
- Higher gain than single helix antenna designs
- Excess gain can be used for longer RF cable runs between antenna and DLNA/HLD
- Integral Beam Steering Unit with ARINC 429 interface reduces overall box count
- Ruggedized and qualified for helicopter installation
- Externally mountable with fairing. No additional radome required
- ARINC 741/781 compatible



TH-HGA-6500

Technical Specifications

Dimensions and weight:

Stand-Alone with Adapter

Length:	256 mm	334 mm
Width:	256 mm	290 mm
Height:	247 mm	258 mm
Weight:	1.8 kg	3.8 kg

Interfaces:

RF:	TNC Male (Stand-Alone + Adapter)
Control:	Multi-pin or MXC Female (Stand-Alone) ARINC 741 or SMA Female (Adapter)

Altitude: 70,000 ft

Temperature Range: -65 to +70° C

Voltage: 28 Vdc

Power: 22.4 W

Qualification: DO-160E

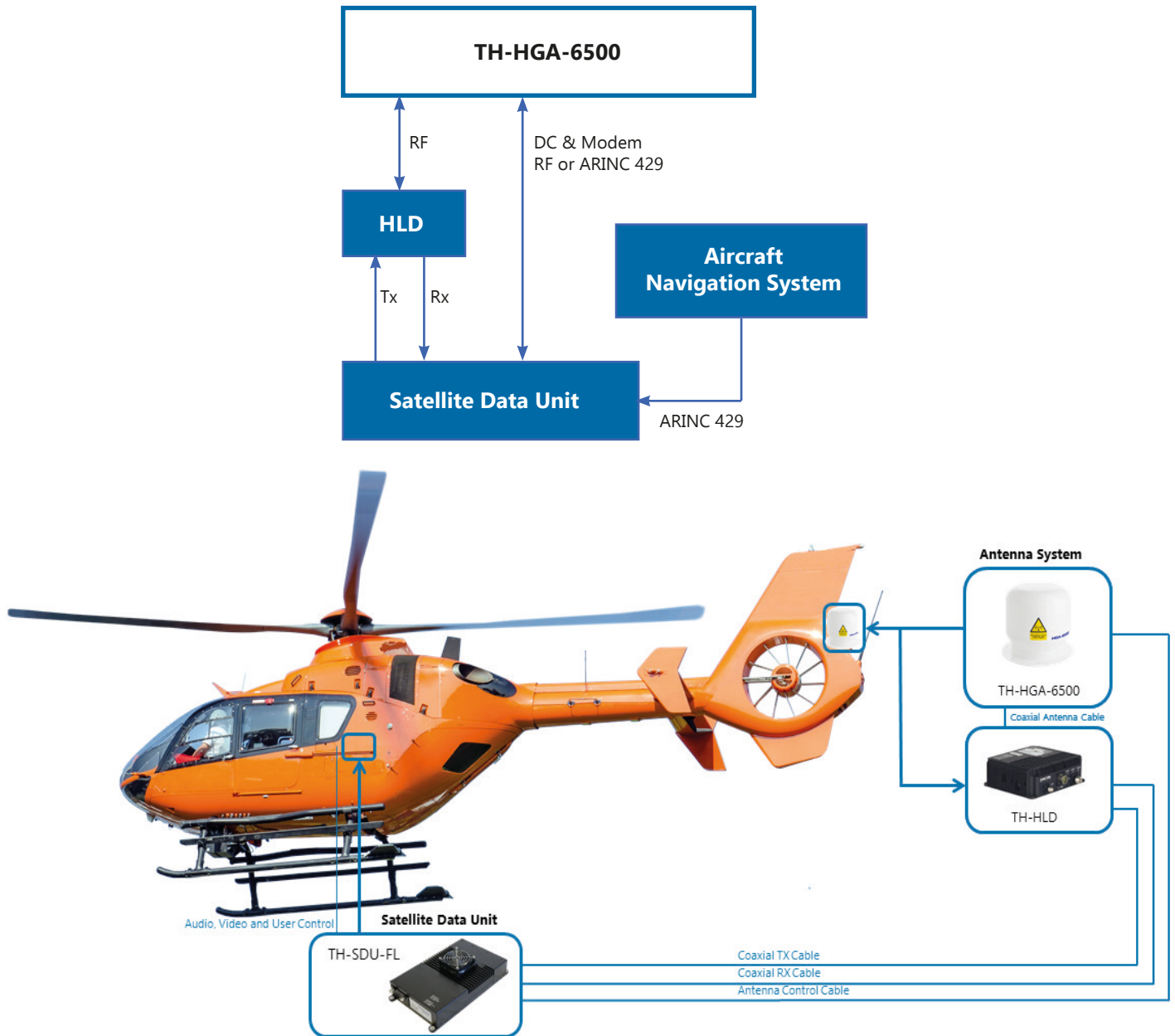
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