



SDR HELI

In-flight Connectivity like Never Before



Components

TH-SDU FLANGE

Cutting-edge satellite data unit for fixed and rotary wing aircrafts

TH-HGA 6500

Powerful antenna control for steady in-flight communication

TH-HLD

Integrating powerful components for steady in-flight communication

THE AERO SYSTEM

TH-SDU FLANGE is an SDU with a flange mount component, designed for small ISR fixed-wing platforms and all rotary platforms. TH-SDU-FL is the first SDU version up for release and meets the strictest qualification standards for aviation communication components in both fixed- and rotary wing aircrafts. In later releases, TH-SDU-FL will deliver added capabilities for embedded data encryption, and 2-channel configuration with additional slot for 2nd VIP Turbo Aero or single-channel configuration with additional slot for HD580 video streaming module.



TH-HGA-6500 is a version of the Cobham High Gain Antenna (HGA) system designed for rotary-wing aircrafts. Embedded in a hardened radome, TH-HGA-6500 is ruggedized for maximum airspeed (240 knots) and can handle the most stringent vibrations on helicopter airframes. The antenna also comes with an L-band RF interface, for connection with an ARINC 741 compliant DLNA or HLD unit.

As the antenna system comes with an embedded beam steering unit, it allows for antenna control directly through an ARINC 429 interface. Alternatively, the antenna offers a coaxial interface for control through an external beam steering unit.

INSTALLING AERO

TH-HLD is a High Power/Low Noise Amplifier, built to:

- Connect the SDU with the antenna system
- Reduce overall box-count, system weight and complexity
- Support applications like phone calls, email, web browsing and VPN

Designed as a single component or broadband single-channel system, the High Power/Low Noise Amplifier (TH-HLD) interconnects Aero's SDU with the high gain antenna. In transmit direction, the HLD acts as a High Power Amplifier to provide the required EIRP to the Thuraya satellite. Similarly, in receive mode, the HLD acts as a highly sensitive Low Noise Amplifier to amplify the receive signal from the antenna system.