



Take off with...

# Thuraya Aero

## Your eyes in the sky

Thuraya Aero enables in-flight connections for internet access, voice calls, text messaging, high-speed data applications such as video and audio conferencing, large file transfer (e.g. surveillance videos), Voice over IP, besides much more.

Thuraya Aero is powered by a partnership between Thuraya Telecommunication Company and the SCOTTY Group accounting for more than 30 years of experience.

Integrated with the Thuraya satellite network, Aero communication requirements synchronize perfectly with L-band services. Applications such as SAR (Search and Rescue), ISR (Intelligence, Surveillance and Reconnaissance), telemedicine, military operations, office-in-the-sky and border surveillance require real time airborne data. Thuraya Aero provides an exciting and attractive alternative to support these high-end services. It is suitable for fixed wing and rotary wing aircraft, as well as other air platforms flying missions beyond line of sight.



## Features

### Ideal for ISR, SAR, disaster relief and beyond line of sight operations

Thuraya Aero is particularly suitable for ISR & SAR aircraft and other air platforms. Thuraya's L-band satellite technology is the best choice for airborne platforms flying at medium or low levels because transmission is unaffected by existing weather conditions.

### Ideal for business aviation

Thuraya Aero provides affordable VIP/Executive in-flight connectivity. During flight, executives can talk on their own smartphone; send and receive text messages; access email and internet with any mobile device and hold video conferences.

### Easy installation

Thuraya Aero offers a simple interface to onboard sensors and equipment. It can be easily installed on any plane. Using the Cobham High Gain Antenna (HGA) and Intermediate Gain Antenna (IGA), Supplemental Type Certificate (STC) may only require a delta certification if a swift broadband system STC has been obtained. The whole basic system has only three compact LRU's making installation simple.

### Solid and dependable

The hardware and software components to communicate with the satellite systems of Thuraya are developed in partnership with well-known suppliers for aerospace solutions, namely Cobham, SCOTTY and SRT.

### High- speed streaming capabilities

Designed to operate at IP broadband speeds of up to 444kbps in single channel configuration with a dual channel system also available. The Satellite Data Unit is configured for dual channel operation with upgrade via a software key. Thuraya Aero also comes with a built-in video transmission capability that offers real time video streaming using on board HD camera systems.

### Runs on a reliable network

Thuraya's reliable and uninterrupted satellite network enables users to stay connected via satellite mode anywhere under its coverage area across Europe, Africa, Asia and Australia.

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## Technical specifications

### MODEM FUNCTION

<b>Services</b>	IP Data, Circuit Switched Voice
<b>Streaming</b>	up to 384kbps / channel (symmetric & assymetric options)
<b>Standard</b>	up to 444kbps / channel
<b>SIM card</b>	Single or Dual (SDU activation via license key)
<b>Channels</b>	Single or Dual (SDU activation via license key)
<b>Channel bundling</b>	Yes (necessary purchase of license key for an update)
<b>Video capability</b>	Yes (necessary purchase of license key for an update)

### SATELLITE DATA UNIT



**TH-SDU-FL (flange mount)**

**TH-SDU-AR (ARINC 600 2MCU size)**

<b>Width</b>	194mm	58mm
<b>Height</b>	89mm	200mm
<b>Length</b>	343mm	340mm
<b>Weight</b>	4.4kg	4.3kg
<b>Unit interfaces</b>	2x 10/100 BaseT Ethernet, 1x 10/100 Base T Ethernet (ARINC), SDI (in), SDI (out), 2x USB, 2x Audio In & 2 x Audio Out, R S-422/RS-232, 2x IRS/AHRS/GNSS (A429)	

### AMPLIFIER & DIPLEXER



**TH-HLD**

**TH-HPA**

**TH-DLNA**

<b>Width</b>	190mm	61mm	187mm
<b>Height</b>	60mm	194mm	48mm
<b>Length</b>	197mm	344mm	281mm
<b>Mass</b>	2.4kg	2.4kg	2.5kg



<b>ANTENNA</b>	<b>TH-HGA-6000</b>	<b>TH-HGA-6500</b>	<b>TH-IGA-5001</b>
<b>Platform type</b>	For fixed-wing	For rotary-wing	For fixed-wing
<b>Steering type</b>	Mechanical	Mechanical	Electronical
<b>Diameter</b>	256mm	256mm	581mm x 175mm (L x W)
<b>Height</b>	246mm	258mm (with adapter)	49mm
<b>Mass</b>	1.8kg	3.8kg	3.5kg