



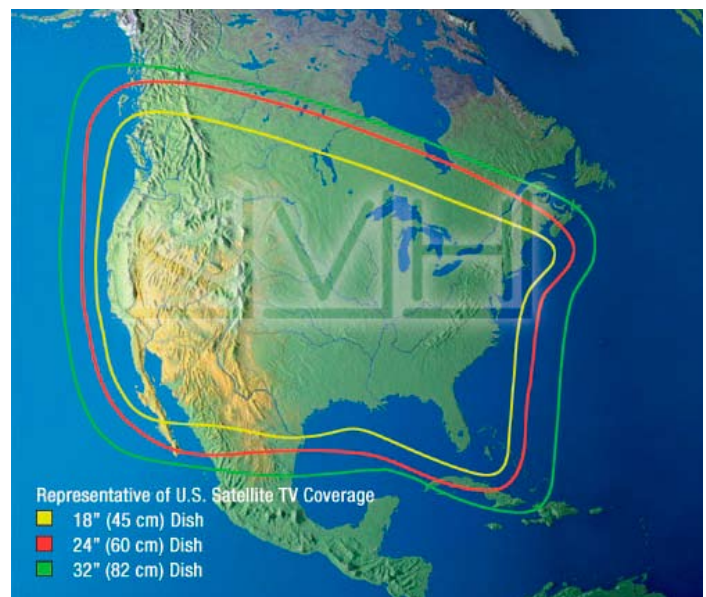
Features

Ellipse TV is truly the first affordable airborne satellite DirecTV system that can be installed on any size aircraft.

We have created a satellite system that will work with a variety of aircraft: Gulfstream, Bombardier (Challenger/Learjet), Citations, Raytheon Business Aircraft, Hawkers, Pilatus, Turboprops, etc. Up until now airborne TV was not an option for smaller aircraft, medium jets or longer range turboprop aircraft.

Airborne DirecTV offers many of the same viewing options as your home satellite system:

- 185+ Channels of DirecTV service on your aircraft.
- Now you can watch your favorite DirecTV programming.
- News, sports, weather, movies.
- Premium movie channels; optional sports packages; 40 digital music channels.



ELLIPSE TV HAS MAXIMUM U.S. SATELLITE TV COVERAGE

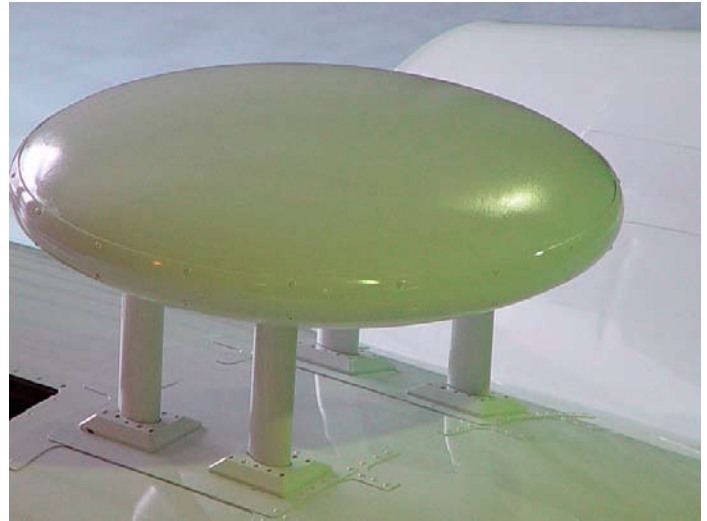
Flight Display Systems

Enhancing the Flight Experience

The Radome is mounted a minimum of 10 inches above the fuselage to permit free flow of air below the Radome. This cuts down on lift and drag. The airflow is back to its original flow 3 inches after it passes the back of the Radome.

Because the Antenna was developed for surface use, the signal strength and performance is higher than the competition. Size is 22.5 x 14 inches. Equivalent of a 24 inch dish antenna. Tail mount antennas are limited to 11 ½ inches. Size makes a difference when it comes to satellite signal reception.

Low equipment costs, low downtime, no requirement for interface with the aircraft's navigation system, equivalent to a 24 inch dish antenna vs. a tailmount 11½ inch tail mount antenna. Less than ½ the price of the competition. What more could you want in a system?



RADOME ANTENNA PICTURED ABOVE CHALLENGER 600



MECHANICALLY STEERED PHASED ARRAY ANTENNA



INTERFACE CONTROL UNIT WITH TWO RECEIVERS

The antenna has the ability to change heading up to 40° per second without losing satellite. The Radome houses a mechanically steered, low profile, phased array antenna. The antenna rotates 360 degrees and tilts 16 degrees either side of horizontal. Finally unlike other systems Ellipse TV has the ability to acquire satellite without need the for GPS or aircraft navigation position information.

Specifications

Dimensions, Radome	34 x 9 inches
Dimensions, Antenna	22.5 x 14 inches
Dimensions, ICU	12.25 x 5.75 x 10.5 inches
Weight, Radome	69.0 lbs
Weight, ICU	10.5 lbs

Interface

Power	28VDC
Inputs	75 ohm coaxial cable, remote RF
Outputs	2 x Composite Video
	2 x S-Video
	2 x TNC/VHF
	2 x RF Remotes

