

FliteStream® T-220

T-200 Series: Tail Mount Internet, DBS-TV, & Live TV SATCOM System

High-Performance Connectivity System

- Enjoy seamless high-speed connectivity from takeoff to touchdown.
- Browse the internet, send and receive emails, make calls using Voice-Over-IP (VoIP), access VPN services, conduct video conferences, enjoy your favorite work or entertainment applications.
- Enjoy hundreds of channels of Direct Broadcast Service television (DBS-TV).
- Provides dual capability of receiving both DBS-TV and broadband internet connectivity in a single antenna package.
- Stream your favorite internet TV channels (e.g. Hulu®, Netflix®).
- Works seamlessly with laptops, tablets, and smart phones.

Robust Design

- Satellite tracking design allows for full continuous motion in azimuth and -0 to +90 degree motion in elevation.
- Provides full reception performance during aircraft flight maneuvers, even at higher latitudes.
- Antenna is mounted externally to the aircraft under a protective radome enclosure located on the aircraft tail.

Global Coverage

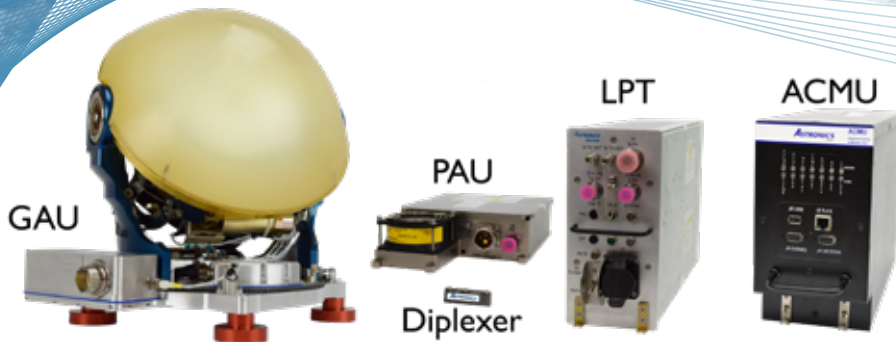
- With Ku-band satellite coverage, you can operate globally without settling for less.
- With Ku-band you can select from many different satellite operators. This provides flexibility and operational security.

Global Live TV

- With Panasonic eXTV, you can enjoy live TV globally even over water.
- Enjoy sports, world news, and financial news.

KEY BENEFITS

- Keeps you connected, productive & entertained.
- Global operation even over water.
- Provides high-speed internet, live IPTV, and DBS-TV.
- Enjoy Sport24, CNBC, and CNN International live TV without using monthly data allotment.
- Fits under most tail Ku-band radomes.
- Open-architecture: can operate over any Ku-band network when paired with compatible modem.



Inputs

- Power: +28 VDC
- Control Interface: [Ethernet](#)
- Navigation Interface: [ARINC 429](#)
- Discrete Interface: [WOW, Flap Position](#)

LRUs

T-220 system is composed of 5 aircraft LRU's:

1. Gimbal Antenna Unit (GAU).
2. Antenna Control & Modem Unit (ACMU).
3. Low Power Transceiver (LPT).
4. Power Amplifier Unit (PAU).
5. Diplexer.

For DBS-TV an additional LRU is required.

1. Receiver Decoder Unit (RDU).

Get Started Today

For additional details, please contact Astronics AeroSat.

60A Route 101A
Amherst, NH 03031

+1.603.879.0205



AeroSat.Info@Astronics.com
www.aerosat.com

Certification

- RTCA DO-160 & DO-178 compliant.
- Design based on proven technology used on multiple aircraft types.

Integrated Modems

Inquire for latest list of compatible modems.

FLITESTREAM T-220 SPECIFICATIONS

Typical Performance

GAU Aperture Size: 29cm
 EIRP: 41.9 dBW (25W PAU)
 G/T (150K Sky Temperature): 11.5 dB/K @ 12.75 GHz
 Receive Frequency: 10.7 GHz to 12.75 GHz
 Transmit Frequency: 13.75 GHz to 14.5 GHz
 Polarization: Linear Tx/Dual Pol Rx, Dual Pol Circular Rx only
 Cross Polarization Rejection: 20 dB
 Polarization Control: 45°±105°
 Field of View:
 Azimuth (continuous): 360°
 Elevation: +90° to -0°

Roll, Pitch, Heading Rates of Change: >12.0° / Second

Roll, Pitch, Heading Acceleration: >12.0° / Second / Second

Pointing Accuracy: <0.2°

WEIGHT:

GAU (Antenna): 23.5 Lbs (10.7 Kg)
 ACMU: 14.5 Lbs (6.6 Kg) (ARINC 600 - 4 MCU)
 Diplexer: 0.2 Lbs (0.1 Kg)
 LPT: 13 Lbs (5.9 Kg) (ARINC 600 - 3 MCU)
 PAU: 8.6 Lbs (3.9 Kg)

POWER:

LPT: 400 Watts Typical
 ACMU: 75W Typical

OPERATING TEMPERATURE:

GAU: -55° to +70° C
 ACMU: -40° to +70° C
 LPT: -40° C to +70° C
 PAU: -55° C to +70° C
 Diplexer: -55° to +70° C