

**In-Flight
High-Speed
Internet &
Global Live TV
Connectivity**

FliteStream™ T-220

T-200 Series: Tail Mount Data & TV SATCOM System



FEATURES

- Enjoy seamless high-speed connectivity from the moment you step on board the aircraft to when you land at your destination.
- 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.
- Highest performing tail mount Ku band SATCOM antenna system critical for low angle satellite coverage while flying at higher latitudes.
- Works seamlessly with laptops, tablets, and smart phones.
- 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

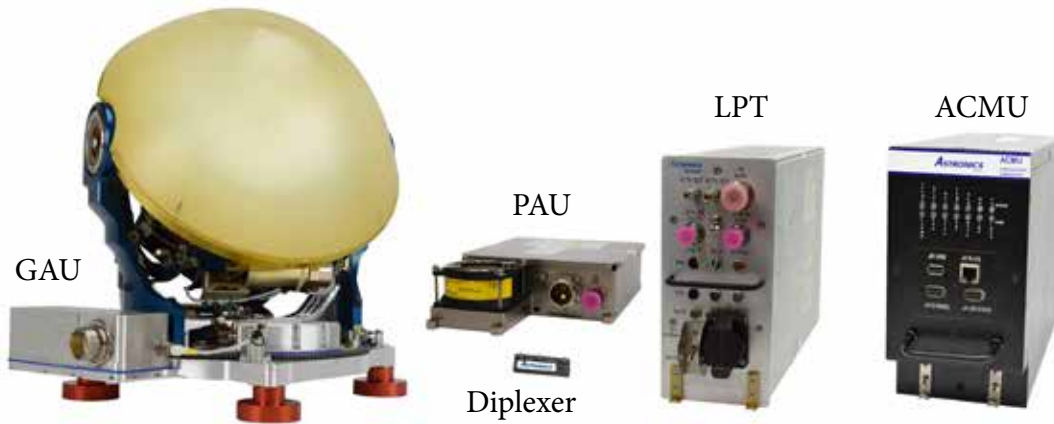
With Ku band satellite coverage, you can operate globally without settling for less.



GLOBAL LIVE TV

With Panasonic eXTV, you can enjoy live TV worldwide even over the ocean unlike DBS-TV. DBS-TV satellite transmissions only operate over land masses. eXTV will provide live news and sports worldwide to keep you informed and entertained!





INPUTS

Power: +28 VDC

Control Interface: Ethernet

Navigation Interface: ARINC 429

Discrete Interface: WOW, Flap Position

LRU's

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

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

CERTIFICATION

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

TYPICAL PERFORMANCE

GAU Aperture Size: 29cm

EIRP: 41.9 dBW (25W PAU)

G/T (15°K 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°

TYPICAL PERFORMANCE

Roll, Pitch, Heading Rates of Change: >7.0° / Second

Roll, Pitch, Heading Acceleration:

>7.0° / Second / Second

Pointing Accuracy: <0.2°

Weight (w/o power amplifier):

GAU (Antenna): 23.5 Lbs.

ACMU: 14.5 Lbs. (ARINC 600 - 4 MCU)

Diplexer: 0.2 Lbs

Power (w/o power amplifier): <150 Watts on average

GAU Operating Temperature: -55° to +70° C

ACMU Operating Temperature: -20° to +70° C

Modes of Operation: Pointing, BIT, Stowage, Maint.

LPT/PAU SPECIFICATION

PAU Power: 25W

LPT Operating Temperature: -40°C to +70°C

PAU Operating Temperature: -55°C to +70°C

LPT Weight: 13 Lbs. (ARINC 600 - 3 MCU)

PAU Weight: 8.6 Lbs.

INTEGRATED MODEMS

Inquire for latest list of compatible modems

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