

### KEY FEATURES

Full support for L1/L2 GPS + GLONASS,  
E1 Galileo and B1 BeiDou

Support for L-Band/OmniStar

Low-profile Fuselage Mounting

Sub-centimeter phase center  
repeatability

Fully certified for airborne installations

### HIGH PERFORMANCE GNSS SUPPORT FOR AIRBORNE MAPPING AND SURVEYING

The Trimble AV37 GNSS Aviation Antenna has been designed to support centimeter level accuracy for airborne applications and track SBAS signals all in one compact design. It is fully certified by the FAA for aircraft installations.

### ROBUST, CERTIFIED GNSS AVIATION ANTENNA

Mapping and surveying from the air using GNSS requires survey grade antenna technology in a compact and reliable form factor. The Trimble AV37GNSS Aviation antenna achieves this without compromising performance.

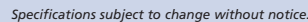


TRIMBLE AV37 GNSS ANTENNA

- L1/L2 GNSS + L-Band Frequency Tracking:
  - GPS: L1, L2
  - GLONASS: L1, L2
  - Galileo: E1
  - BeiDou: B1
  - SBAS: WAAS, EGNOS, QZSS, Gagan, MSAS, and OmniStar
- Quality signal tracking
- TNCF female signal connector
- Small cross-sectional area to reduce wind loading
- Low voltage, low power consumption
- Integral low noise amplifier
- Powered by GNSS receiver via coaxial cable
- High gain for reliable tracking in difficult environments
- FAA airworthiness certificate supplied with each antenna

Frequencies .....	1570 +/- 45 MHz
	1238 +/- 21.5 MHz
Signal gain .....	43 dB
Voltage .....	5 V DC to 15 V DC
Polarization .....	Right Hand Circular
Axial Ratio .....	3 dB Max @ boresight
Amplifier.....	Noise Figure : 2.5 dBMax
	Impedance : 50 Ohms
	VSWR : $\leq 1.5$

Dimensions	11.9 cm length, 7.6 cm width, 2.3 cm height (4.7" length, 3.0" width, 0.92" height)
Weight	0.283 kg (0.625 lbs)
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Altitude	≤16,764 m (55,000 ft)
Finish	Polyurethane enamel, fluid resistant
Compliance	ROHS
Designed to	DO-160E, ARINC 743 Footprint, RTCA DO-210D
MTBF	Airborne, per MIL-HDBK-217, at an ambient temperature of +70°C 122,752 hours for Inhabited Cargo (AIC) environment 70,501 hours for Uninhabited Cargo (AUC) environment



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