

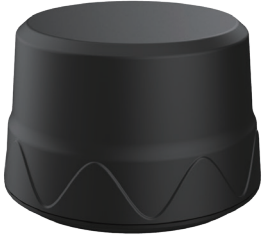
UAV/UGV Antennas

• JEBSEE •

AN I522

GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/SBAS/
L1/L2/L5/L6/L-band

GNSS L1/L2/L5/L6/L-band Helix External Antenna





Features

- **Ultra-Low Profile and Lightweight Design**
Lightweight body and slim design, easily integrated into space-constrained devices such as UAVs, surveying instruments, and monitoring equipment.
- **Superior Multi-GNSS and Multi-Frequency Support**
Fully supports GPS, GLONASS, GALILEO, BeiDou, and other satellite systems and frequency bands, offering more reliable and accurate positioning..
- **Excellent Anti-Interference Performance**
Optimized circuitry and a robust low noise amplifier effectively suppress out-of-band interference and resist electromagnetic interference, ensuring signal purity.

Application

- **Precise UAV Positioning and Navigation**
Offers high-precision, high-reliability positioning and navigation for UAVs, suitable for aerial photography, remote sensing, infrastructure inspection, etc.
- **High-Precision Surveying and Geospatial Data Acquisition**
Meets professional surveying needs for high-precision positioning in topographic surveying, cadastral surveys, engineering measurements, and data acquisition.

Model No.		ANI522					
Item							
Supported GNSS Bands	GPS	■ L1	■ L2	■ L5			
	GLONASS	■ G1	■ G2	■ G3			
	Galileo	■ E1	■ E5a	■ E5b	■ E6		
	BeiDou	■ B1C	■ B1I	■ B2a	■ B2b	■ B3	
	L-band	■ L-band					
	QZSS	■ L1	■ L2C	■ L5	■ L6		
	IRNSS	■ L5					
	SABS	■ L1/E1/B1	■ L5/B2a/E2a	■ G1	■ G2	■ G3	
Frequency Range	MHz	1164 – 1278		1525 – 1559		1559 – 1606	
Gain at Zenith	dBic	2.8 typ.		1.5 typ.		3.3 typ.	
Axial Ratio	dB			3.0 max.			
Polarization				RHCP			
Radiation Pattern				Hemispherical			
LNA Gain	dB			28.0 ± 3.0			
Noise Figure	dB			2.0 max.			
Output VSWR	:1			2.0 max.			
Saw Filter Type				Pre-Filter			
Current Consumption	mA			55 max. @ 3.0 – 5.5 VDC			
Connector				SMA Male			
		Mechanical					
Mounting		Direct Mount					
IP Rating		IP67					
Dimensions		Ø52*34.5 mm					



BETTER TOMORROW. BETTER PLAN.