

UAV/UGV Antennas

• JEBSEE •

AN I 520

GPS/GLONASS/BEIDOU/QZSS/Galileo/SBAS/
L1/L2

GNSS L1/L2 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.		ANI 520					
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	1217 – 1257			1559-1606		
Gain at Zenith	dBic	2.0 typ.			2.5 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		Ø34*60 mm					

