

Antenna Monitoring Unit

Model: EHS1T01G001



ELECTRICAL SPECIFICATIONS

Protocols	3GPP, AISG2.0, AISG-ES-RAE V2.2.0
Input voltage range	DC +8.5V to +31V
Power	≤ 3W
GNSS frequency	band L1: 1575.42 ± 1.023 MHz
GNSS constellations	Supports BDS/GPS/GLONASS/GALILEO/QZSS/SBAS systems
Azimuth accuracy	Resolution of 0.1° , tolerance of ±5° (under interference environment as per China Mobile engineering parameter test specifications)
Mechanical tilt accuracy	Resolution of 0.1° , tolerance of ±1°
Altitude	Resolution of 0.1 m, tolerance of ±10 m (under interference environment as per China Mobile engineering parameter test specifications)
GPS positioning accuracy	Resolution of 1e-5° , tolerance range of ±5 m (under interference environment as per China Mobile engineering parameter test specifications)
Time to first fix	≤ 90 s (open and interference-free environment) ≤ 300 s (under interference environment as per China Mobile engineering parameter test specifications)
Time to first orientation	≤ 180 s (open and interference-free environment) ≤ 300 s (under interference environment as per China Mobile engineering parameter test specifications)
Lightning protection level	IEC 61000-4-5:2005 IEC 61000-4-5 Current Pulsed Profile, 8/20 μs 3 kA 10 repetitions



MECHANICAL SPECIFICATIONS

Hardware interface	8-pin AISG connector (IEC 60130-9). Male connector for input, female connector for output
Dimensions (LxWxH)	350mm x 95mm x 37.5mm
Weight	0.5kg
Enclosure material	Outdoor-grade PC+ABS
Operating temperature	-40°C to +75°C
Storage temperature	-55°C to +85°C
Maximum wind speed	200km/h
Protection rating	IP65 compliant with IEC60529 (when installed on the antenna top cover)