

Antenna Monitoring Unit

Model: HX-T01G001



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)

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Guangdong HOSENC Communication Technology Co., Ltd®

Address: No. 100, South Sanshui Avenue, Baini Town, Sanshui District, Foshan City, Guangdong Province

危险 Dangerous:

高空作业时，操作人员一定要系好安全带，戴好安全帽。
When working high above the ground, the operator must wear safety belts and helmet.

请穿戴好鞋和橡胶手套。请穿长袖衬衫和橡胶手套。
Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.

请勿在雷雨、大风天气或者所在区域有闪电或雷声时安装。请勿使用金属梯子。
Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.

请勿安装在电源线路附近。电源线、电话线和拉线外露时，任何导线都可能导致电击伤人。
Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.