



Key Features

- Support BDS B1/B2/B3, GPS L1/L2/L5, Galileo E1/E2/E5a/E5b, GLONASS L1/L2/L3 and L-band frequencies.
- Multi-path rejection board inside can eliminate the multi-path influence to measurement error.
- Adopt multi feed design to ensure the superposition of phase center and geometrical center, and minimize the influence to measurement error.
- Water & dust-proof design ensures absolute seal of kernel parts, capable for long time outdoor operation.
- Very low noise figure.
- Lightning proof circuit inside can protect the LNA from being damaged by surge immunity.

Survey Antenna HX-CSX607A

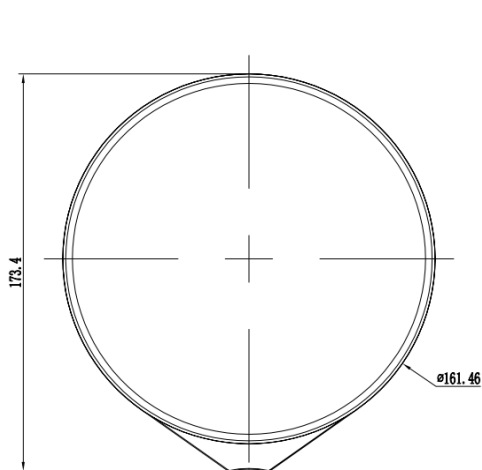
HX-CSX607A receives BDS B1/B2/B3, GPS L1/L2/L5, GLONASS L1/L2/L3, Galileo E1/E2/E5a/E5b and L-band frequencies. It has consistent performance (gain, axial ratio) across the full bandwidth of the antenna.

This antenna has high gain and wide beam width to ensure the signal receiving performance of satellite at low elevation angle. The phase center of this antenna remains constant as the azimuth and elevation angle of the satellites change. Signal reception is unaffected by the rotation of the antenna or satellite elevation, so placement and installation of the antenna can be completed with ease. It has become the preferred product for land survey, marine survey, channel survey, seismic monitoring, bridge survey, container operation, etc.

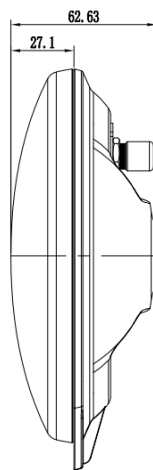
Technical Specifications

Antenna Specification	
Frequency Range	GPS L1/L2/L5 GLONASS L1/L2/L3 BDS B1/B2/B3 Galileo E1/E2/E5ab L-band
Impedance	50ohm
Polarization	RHCP
Axial Ratio	≤3dB
Azimuth Coverage	360°
Output VSWR	≤2.0
Peak Gain	5.5dBi
Phase Center Error	±2mm
LNA Specification	
LNA Gain	40±2dB

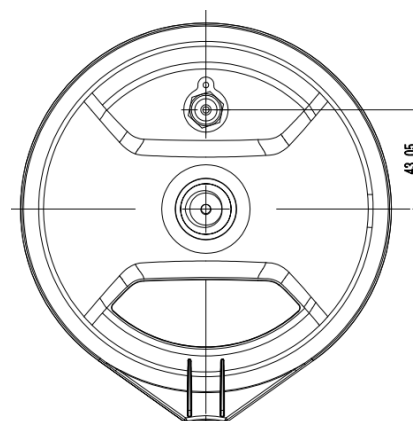
Noise Figure	≤2.0dB
Output VSWR	≤2.0
Operation Voltage	3.3~12VDC
Operation Current	≤45mA
Group Delay	≤5ns
Mechanical Specification	
Dimension	φ 173.4*62.6mm
Connector	TNC Female
Weight	456g
Environment Specification	
Storage Temp	-55℃~+85℃
Operating Temp	-45℃~+85℃
Humidity	95% No-condensing



Top view




Side view



Bottom view

Dimension (mm)

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