

Key Features

- Support GPS L1/L2, GLONASS L1/L2 and BDS B1/B2/B3 bands.
- Ideal for fixed reference stations and GNSS infrastructure networks.
- Water & dust-proof design ensures absolute seal of kernel parts, capable for long time outdoor operation.
- Sub-millimeter phase center repeatability, antenna gain has been optimized to allow use with most manufacturers geodetic receivers.
- LNA has high gain which ensures the operation with long cable (100 meters +).



2D Choke Ring Antenna HX-CG7601A

HX-CG7601A receives GPS, GLONASS and BDS frequencies with a integrated radome, which contains Harxon advanced antenna technology. It has become the preferred product for CORS station and geodetic base station applications.

Harxon HX-CG7601A adopted unique wideband antenna technology design provides superior low elevation satellite tracking, multipath reduction and sub-millimeter phase center stability. The new low noise amplifier (LNA) is used to provide exceptional low measurement noise for superior measurement quality with excellent out of band rejection. The new LNA technology also has high gain which ensures the operation with long cable (100 meters +).

Technical Specifications

Antenna Specification

Frequency Range	GPS L1/L2 GLONASS L1/L2 Galileo B1/B2/B3
Impedance	50ohm
Polarization	RHCP
Axial Ratio	≤3dB
Azimuth Coverage	360°
Output VSWR	≤2.0
Peak Gain	7 dBi
Phase Center Error	± 1mm

LNA Specification

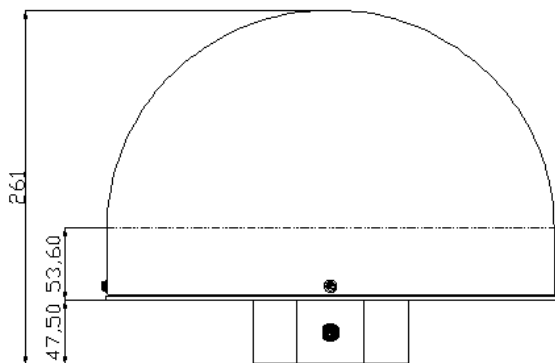
LNA Gain	50±2dB
Noise Figure	≤2.0dB
Output VSWR	≤2.0
Operation Voltage	3~18VDC
Operation Current	≤60mA
Group Delay	≤5ns

Mechanical Specification

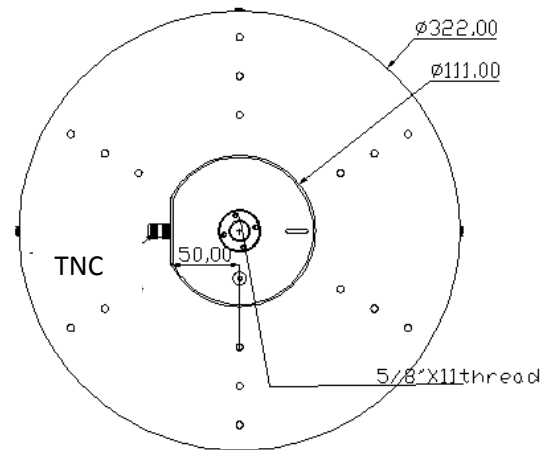
Dimension	φ 332*261mm
Connector	TNC Female
Weight	7kg

Environment Spec

Storage /Operating Temp	-40°C ~ +70°C
Humidity	95% No-condensing



Side view



Bottom view

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