Harxon

2D Choke Ring Antenna HX-GG486A

Key Features

- Support GPS L1/L2 and GLONASS L1/L2 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 +).

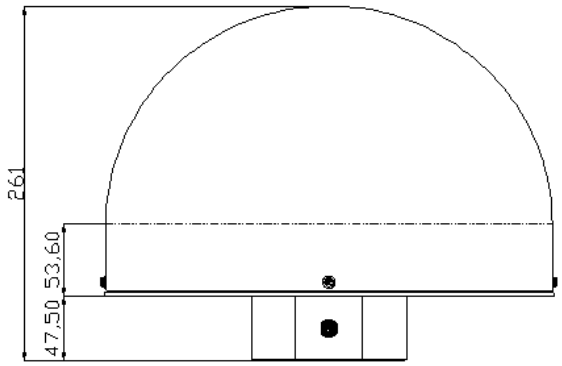
HX-GG486A receives GPS and GLONASS with a integrated radome, which contains Harxon advanced antenna technology. It has become the preferred product for CORS station and geodetic base station applications.

Harxon HX-GG486A 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 +).

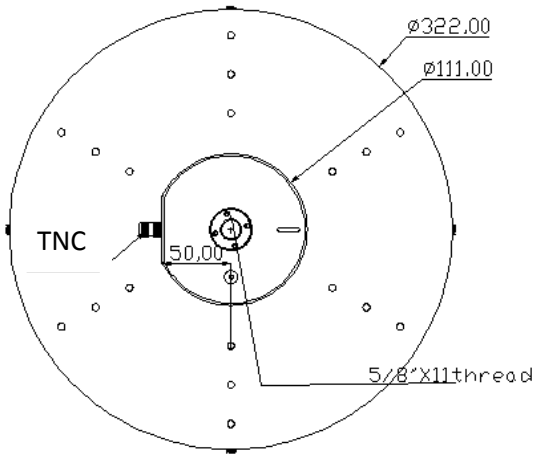
Technical Specifications

Antenna Specification	
Frequency Range	GPS L1/L2 GLONASS L1/L2
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 Temp	-55℃～+85℃
Operating Temp	-45℃～+85℃
Humidity	95% No-condensing



Side view



Bottom view

Dimension (mm)

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