



Harxon OEM ANTENNA SERIES

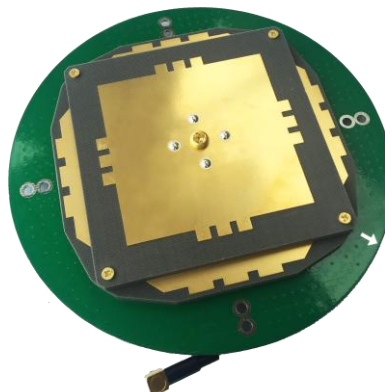
GNSS OEM Antenna HX-CS7017A

Product Introduction

HX-CS7017A is a GPS L1\|L2、GLONASS L1\|L2 and BDS B1\|B2\|B3 bands OEM antenna, which has passed through IGS phase center certification. This Survey antenna has exceptional pattern control, polarization purity and high efficiency in a very compact form factor. Antenna element has high gain and wide beam width to ensure the signal receiving performance of satellite at low elevation angle. HX-CS7017A can be widely used in surveying and mapping, marine surveying and mapping, channel surveying and harbor dredge measurement, earthquake monitoring, monitoring of bridge deformation, landslides, port container operation, etc.

Technical Features

- GPS L1\|L2、GLONASS L1\|L2 and BDS B1\|B2\|B3 bands
- Multi-path rejection board inside can eliminate the multi-path influence to measurement error.
- High stability and high repeatability at phase center
- Very low noise figure
- Ground plane independent
- GIS&RTK applications



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Technical Parameter

Antenna Spec

Frequency Range	GPS L1/L2
	GLONASS L1/L2
	BDS B1/B2/B3
Impedance	50ohm
Polarization	RHCP
Axial Ratio	≤3dB
Azimuth Coverage	360°
Output VSWR	≤2.0
Peak Gain	5.5dBi
Phase Center Error	±2mm
LNA Spec	
LNA Gain	40±2dB
Noise Figure	≤2.0dB

Output VSWR ≤2.0

In-band flatness ±2dB

Operation Voltage 3.3~12VDC

Operation Current ≤45mA

Group Delay ≤5ns

Mechanical Spec

Dimension φ 122*17.5mm

Connector MCX-C-JW1.5

Environment Spec

Operating Temp -40℃~+85℃

Storage Temp -55℃~+70℃

Humidity 95% No-condensing

Structural Drawing

