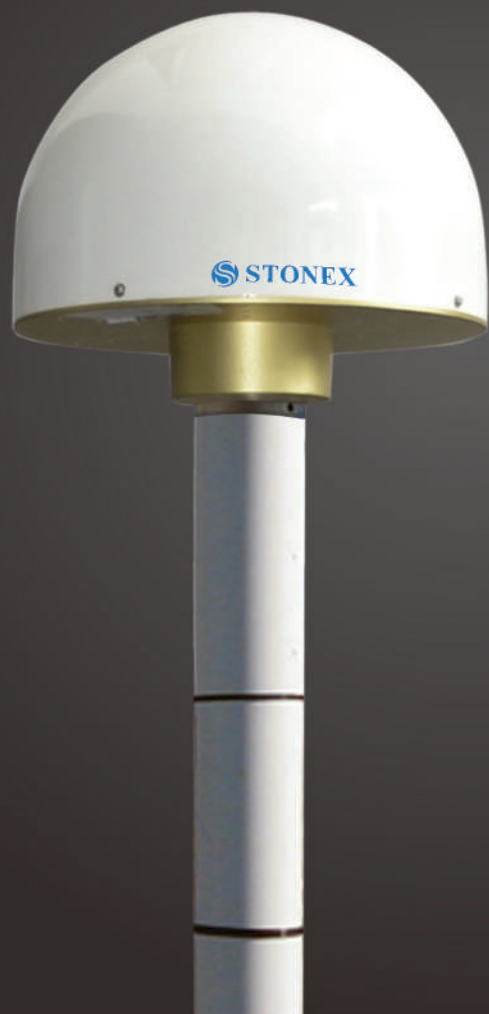


GNSS Antennas for  
all fields of surveying



# TECHNICAL FEATURES

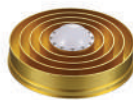
## High Precision Antennas for all field survey works

Stonex family of GNSS antennas is designed to enhance and support the performance of Stonex precise positioning receivers. The antennas receive GNSS multi-constellation signals. Each antenna is built to withstand various application and surveying needs. The Stonex antennas can be used in land survey, marine survey, channel survey, seismic monitoring, bridge survey, container operation and agriculture applications.

They have high gain and wide beam width to ensure the signal receiving performance of satellite at low elevation angle. The phase center of these antennas 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.



CGX601A



GG486A



3G+C REFERENCE



CSX607A



UA35



BS383A

CATEGORY		3D Choke Ring Antenna	Choke Ring Antenna	Reference Antenna	Survey Antenna	Survey Antenna	Survey Antenna
Satellite Tracked	GPS	L1/L2/L5	L1/L2	L1/L2/L5	L1/L2/L5	L1/L2	L1
	GLONASS	L1/L2/L3	L1/L2	L1/L2/L3	L1/L2/L3	L1/L2	L1
	BEIDOU	B1/B2/B3		B1/B2/B3	B1/B2/B3	B1/B2/B3	B1
	GALILEO	E1/E2/E5ab/E6		E1/E2/E5ab/E6	E1/E2/E5ab	E1/E5ab	
	L-BAND	YES		YES	YES	YES	
	SBAS	YES	YES	YES	YES	YES	YES
Impedance		50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm
Axial Ratio		≤ 3dB	≤ 3dB	≤ 3dB	≤ 3dB	≤ 2dB	≤ 3dB
Elevation Coverage		360°	360°	360°	360°	360°	360°
Phase Center Error		± 1 mm	± 1 mm	± 1 mm	± 2 mm	± 2 mm	± 2 mm
<b>LNA SPECIFICATIONS</b>							
Gain		50 ± 2dB	50 ± 2dB	42 ± 1dB	40 ± 2dB	39 ± 2dB	40 ± 2dB
Noise Figure		≤ 2dB	≤ 2dB	≤ 2 dB	≤ 2 dB	≤ 2 dB	≤ 2 dB
Operating Voltage		3.3~18VDC	3~18VDC	3.3~20VDC	3.3~12VDC	3.3~15VDC	3~18VDC
<b>MECHANICAL SPECIFICATIONS</b>							
Dimensions		φ 379 - H 312 mm	φ 332 - H 261 mm	W 172 - H 72 mm	φ 173.4 - H 62.6 mm	φ 146 - H 46 mm	φ 147 - H 62 mm
Connector		TNC Female	TNC Female	TNC Female	TNC Female	TNC Female	TNC Female
Weight		9.5 Kg	7.0 Kg	380 gr	456 gr	500 gr	374 gr
<b>ENVIRONMENTAL SPECIFICATIONS</b>							
Operating Temperature		-45°C +85°C	-45°C +85°C	-45°C +75°C	-45°C +85°C	-40°C +85°C	-40°C +70°C
IP		67	67	69	67	69	67

Illustrations, descriptions and technical specifications are not binding and may change

STONEX AUTHORIZED DEALER

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