

ABOUT HARXON

Founded in 2008, Harxon Corporation is a subsidiary company of BDStar, the first company listed in China's satellite navigation industry. Harxon focus on the development and production of high precision GNSS antenna, vehicle antenna, wireless data radio and smart antenna, committed to providing high performance solutions for global partners in various applications including surveying and mapping, geodetic reference networks, UAVs, precision agriculture, autonomous vehicles, robots, construction and mining, timing applications, etc.

**A Leading Brand of
GNSS Positioning Antenna Solution Provider**

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2023
Revised in Sep.

SMART ANTENNA BROCHURE

- *Smart Antenna Rover*
- *Smart Antenna Base*



MODEL		TS122 EUAA	TS122 EUUB	TS112 PRO XXNA	TS112 XXUA	TS112 XXAA	TS112 SE XXAA	TS112 SE XXUA	TS100 SERIES BASE
Image									
Signal Tracking	GPS	L1/L2/L5	L1 C/A	L1/L2/L5	L1C/A L2C	L1/ L2/L5	L1/ L2/L5	L1C/A L2C	L1/L2/L5
	GLONASS	L1/L2	L10F	L1/L2	L10F L20F	L1/ L2	L1/ L2	L10F L20F	L1/L2
	GALILEO	E1/ E5a/E5b	E1 B/C	E1/E5a2/E5b/AltBOC	E1B/C E5b	E1/ E5a/E5b	E1/ E5a/E5b	E1B/C E5b	E1/E5a/E5b
	BDS	B1I /B2I/B3I/B1C/B2A	B1I	B1/B2	B1/B2	B1I /B2I/B3I/B1C/B2A	B1I /B2I/B3I/B1C/B2A	B1/B2	B1/B2/B3
	SBAS		L1C/A	WAAS/EGNOS/MSAS/GAGAN	L1C/A			L1C/A	
	QZSS	L1/ L2/L5	L1 C/A/S	L1/L1C/L2C/L5	L1C/A/L1S/L2C	L1/ L2/L5	L1/ L2/L5	L1C/A/L1S/L2C	L1/ L2/L5
	L-Band			●					
Horizontal Position Accuracy (RMS)	Single Point	1.5m	2m	1.2m	1.5m	1.5m	1.5m	1.5m	1.5m
	SBAS		1.2m	0.6m	1m			1m	
	DGPS			0.4m	0.4m	0.4m	0.4m	0.4m	
	TerraStar-L			0.4m					
	TerraStar-C			4cm					
	RTK			1cm+1ppm	2cm+1ppm	2cm+1ppm			
	Pass to Pass Accuracy (RMS)	15cm	30cm	RTK: 2cm	RTK: 2cm	RTK: 2cm	15cm	30cm	
	Pass to Pass Accuracy (95%)			L1/L2 GLIDE Single Point: 30cm TerraStar-L: 15cm TerraStar-C PRO: 2cm	L1/L2 Single Point: 0.7m	L1/L2 STANDALONE Single Point: 35cm	L1/L2 STANDALONE Single Point: 35cm	L1/L2 Single Point: 0.7m	
Solutions	Heading			●					
	Terrain Compensation	●	●	●	●	●	●	●	
	GLIDE			●					
	SLIDE	●	●		●	●	●	●	
	STEADYLINE			●					
	STANDALONE	●				●	●		
Correction Data Link	SBAS		●	●	●			●	
	LTE			●	●	●			
	Radio			●	●	●			●
	L-Band			●					
	Bluetooth			●	●	●			●
Communication Ports	RS-232	2	2	2	2	2	2	2	2
	CAN			1	1	1			
	PPS			1	1	1	1	1	
	Ground Speed Out			1	1	1	1	1	
	Bluetooth	1	1	1	1	1	1	1	1
	LTE			1	1	1			
	Radio			1	1	1			1
Physical and Electrical	Dimension (mm)	φ152*57.7	φ152*57.7	210*155*80	210*155*80	210*155*80	210*155*80	210*155*80	φ160*80
	Weight	500g	500g	1000g	1000g	1000g	1000g	1000g	950g
	Connector	M12 8Pin	M12 8Pin	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	14Pin Tyco Ampseal	10Pin Female
	Mounting	Standard Survey/Magnetic /Screw Mount	Standard Survey/Magnetic /Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Magnetic/Screw Mount	Standard Survey/Magnetic /Screw Mount
	Maximum Data Rate	10Hz	10Hz	20Hz	10Hz	10Hz	10Hz	10Hz	10Hz
	Input Voltage Range	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-36V	9V-30V
	Power Consumption	3.5W (Typical)	0.8W (Typical)	3.5W (Typical)	2.5W (Typical)	3.5W (Typical)	3W (Typical)	2W (Typical)	8.5W (Typical)
	Compliance			CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS	CE/RoHS