

Limited to size and weight, traditional helix antennas are difficult to be integrated with the UAV body. Electromagnetic interference and complex environments also put more requirements on antennas. Harxon provides a wide range of GNSS antennas especially designed for unmanned aerial systems that integrate with inertial navigation systems, where light weight, small size and low power are absolute requirements.



GNSS Antennas for Unmanned Systems



Millimeter Level Positioning Accuracy



Multifunctional Combination



Easy to be Integrated







Customizable

Advanced **D-QHA** Technology

Harxon helix antenna series adopts patented D-QHA (Dual Quadrifilar Helical Antenna) technology for stable performance of wide-angle circular polarization (WACP), which ensures exceptional low elevation satellite tracking while maintaining high gain and providing reliable signal tracking. This consistent performance makes it an ideal option for UAVs even in challenging environments.

Harxon is now introducing a wide range of helix antennas with robust structures. The single, dual, triple and full band GNSS versions of these products can achieve high-precision positioning.

	Series 1	Series 2	Series 3	Series 4
Harxon Helix Antenna Family	 HX-CH6601A, HX-CH6017A, HX-CH3602A	 HX-CHR600A, HX-CHT603A	 NEW HX-CHT603A, HX-CUT603A HX-CHT018A, HX-CUX012A	 NEW HX-CUX005A
	Meet the basic needs of antennas dedicated for UAVs	Full band, high gain, better positioning performance	Smaller size, lighter weight, meet customized requirements	High performance multi-functional positioning solution
Frequency	Single Band			Full Band
Peak Gain				
Weight				
Profile				
Function	GNSS			GNSS+WIFI+BT
Shape	Embedded Antenna			Housed Antenna
*Customizable in connector, cable, enclosure, gain, frequency; Integration instructions offered.				



UAV



RTK Handheld Device



Lawn Mower



Field Marking Robot



Survey-Grade Locator



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Founded in 2008, Harxon Corporation is a subsidiary of BDSat, the first listed company in China's satellite navigation industry. Harxon focuses on the R&D, production and sales of GNSS antennas, vehicle antennas, wireless data radios and smart antennas. Harxon is able to provide customized products and positioning solutions for global customers in various industries. Learn More: en.harxon.com