



*GNSS Antennas*  
**THA-X603A**

Four-system Full-frequency External  
Handheld Antenna

# THA-X603A Helix Antenna

THA-X603A is an external handheld antenna that covers four systems GPS, BDS, GLONASS and GALILEO. It is widely used in industries such as surveying, mapping, navigation, and dispatching. It is particularly suitable for various applications in lightweight drones, including aerial photography, remote telemetry, disaster monitoring, traffic patrol and security surveillance.

## SPECIFICATION

SIGNAL TRACKING	
GPS	L1/L2/L5
GLONASS	L1/L2/L3
GALILEO	E1/E5a/E5b
BDS	B1/B2/B3
ANTENNA FEATURE	
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	≤3dB
Azimuth Coverage	360°
Maximum Gain	2dBi
Output/Input VSWR	≤2.0
ANTENNA FEATURE	
LNA Gain	23±2dB
Noise Figure	≤2dB
Operation Voltage	+3.3VDC to +12VDC
Operation Current	≤35mA
Output/Input VSWR	≤2.0
Group Delay Ripple	≤5ns
MECHANICAL	
Dimensions	φ27.5mm*59mm
Connector	SMA Male
Weight	≤25g
Mounting	Refer to installation guidance
ENVIRONMENTAL	
Operating Temperature	-40 °C to +70 °C
Storage Temperature	-55 °C to +70 °C
Humidity	95% non-condensing
Protection	IP67

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Manufacturers may update parameters at any time, please refer to the latest product information.



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