



GNSS Antennas

THA-X601A

Four-system Full-frequency External
Handheld Antenna

THA-X601A Helix Antenna

THA-X601A is an external handheld antenna that covers four systems: GPS, GLONASS, BDS, GALILEO and L-Band. It finds extensive applications in industries such as surveying, mapping, navigation, and dispatching. It is particularly suitable for various applications in lightweight drones, including agriculture, surveying, aerial photography, remote telemetry, disaster monitoring, traffic patrol, and security surveillance.

SPECIFICATION

SIGNAL TRACKING

GPS	L1/L2
GLONASS	G1/G2/G3
GALILEO	E1/E6/E5b
BDS	B1/B2/B3
L-Band	

ANTENNA FEATURE

Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	≤ 3dB
Azimuth Coverage	360°
Maximum Gain	3.5dBi
Output/Input VSWR	≤ 2.0

ANTENNA FEATURE

LNA Gain	33 ± 2dB
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Noise Figure	≤ 2dB
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Output/Input VSWR	≤ 2.0
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Operation Voltage	+3.3VDC to +12VDC
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Operation Current	≤ 55mA
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Gain Flatness	± 2dB
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MECHANICAL

Dimensions	φ40mm*82.6mm
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Weight	≤ 45g
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Connector	SMA-J
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ENVIRONMENTAL

Operating Temperature	-40℃ to +70℃
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Storage Temperature	-55℃ to +70℃
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Humidity	95% non-condensing
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Protection	IP67
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