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TOKNAV



GNSS Antennas

THA-7603A

Four-system Multi-frequency
Drone Antenna

THA-7603A Helix Antenna

THA-7603A is a high performance GNSS antenna designed for high precision positioning service and offers superior satellite signal tracking, including GPS, GLONASS, GALILEO, BDS, QZSS and SBAS signal reception. Its RTK level positioning accuracy makes it ideal to be integrated into application as surveying and mapping, and various UAVs operations as aerial photography, remote sensing, infrastructure inspection, traffic control, and public security.

SPECIFICATION

SIGNAL TRACKING	
GPS	L1/L2
GLONASS	L1/L2
GALILEO	E1
BDS	B1/B2/B3
QZSS	L1/L2
SBAS	L1
LNA FEATURE	
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	≤ 3dB
Gain at Zenith (90°)	1205-1278MHz 4.2dBi(maximum) 1559-1610MHz 3.8dBi(maximum)
LNA Gain	33dB(typical)
Noise Figure	≤ 1.5dB
Output/Input VSWR	≤ 2.0
Operation Voltage	+3.3VDC to +12VDC

Operation Current	55mA(maximum)
Group Delay Ripple	< 15ns
MECHANICAL	
Dimensions	φ40mm*75.2mm
Connector	SMA male
Weight	≤ 38g
Mounting	3-M2.5*7
ENVIRONMENTAL	
Operating Temperature	-40℃ to +70℃
Storage Temperature	-55℃ to +70℃
Humidity	95% non-condensing
Protection	IP67
Regulatory Compliance	CE, RoHS

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



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