



GNSS Antennas
TCA930
3D Choke Ring Antenna

TCA930 Choke Ring Antenna

TOKNAV TCA930 Choke Ring Antenna is a high performance GNSS antenna for base station that covers full frequency satellite signal tracking of GPS, GLONASS, GALILEO, BDS, QZSS, IRNSS and SBAS correction service. The 3D Choke Ring Antenna with strong multipath suppression performance that specifically designed for applications as land and marine surveying, channel surveying, earthquake and landslide monitoring, deformation monitoring, and wharf container operations that require absolute positioning accuracy and multi-constellation support.

SPECIFICATION

SIGNAL TRACKING	
GPS	L1/L2/L5/L-Band
GLONASS	L1/L2/L3
GALILEO	E1/E5a/E5b/E6
BDS	B1/B2/B3
QZSS	L1/L2/L5/L6
SBAS	L1/L5
NavIC (IRNSS)	L5
LNA	
Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	≤2dB
Gain at Zenith (90°)	1164-1300MHz 7.0dBi(maximum) 1525-1615MHz 6.5dBi(maximum)
LNA Gain	50dB(typical)
Noise Figure	≤2dB
Output/Input VSWR	≤2.0

Operation Voltage	+3.3VDC to +12VDC
Operation Current	60mA(maximum)
Group Delay Ripple	< 5ns
PHYSICAL	
Dimensions	φ379mm*312mm
Connector	TNC female
Weight	≤10.5kg
Mounting	BSW5/8"-11 screw, depth≥22mm
ENVIRONMENTAL	
Temperature	Operating -40°C to +85°C Storage -55°C to +85°C
Humidity	95% non-condensing
Protection	IP67
Regulatory Compliance	NGS, CE, FCC, RoHS

www.toknav.cn info@toknav.cn

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



Europe, North & South America
Tel & WhatsApp: +1 (323) 847-7713 (Ian)
Asia, Africa & Oceania
Tel & WhatsApp: +86 139 2607 5986 (Jeffrey)

Guangzhou Toksurvey Information Technology Co., Ltd
No. 9 Caipin Road, Building B, Room 801-6,
Huangpu District, Guangzhou, China