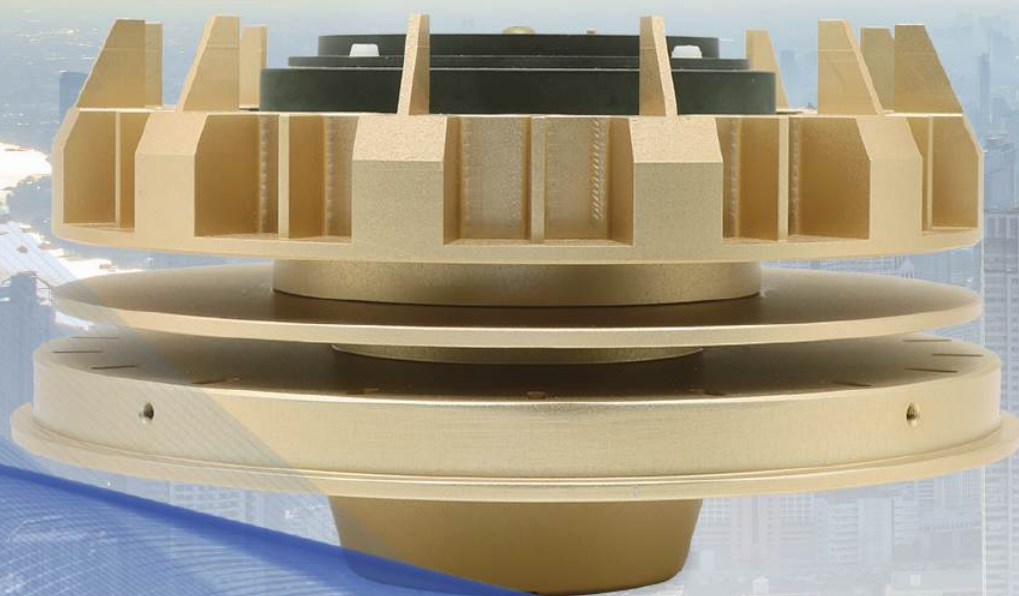




GNSS Antennas
TCA930M
Mini 3D Choke Ring Antenna

TCA930M Choke Ring Antenna

TOKNAV TCA930M 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, SBAS as well as L-Band correction service. It is a mini 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
GLONASS	L1/L2/L3
GALILEO	E1/E5a/E5b/E6
BDS	B1/B2/B3
QZSS	L1/L2/L5/L6
SBAS	L1/L5
NavIC (IRNSS)	L5
L-Band	

LNA

Nominal Impedance	50Ω
Polarization	RHCP
Axial Ratio	3dB
Azimuth Coverage	360°(Omni-directional)
Output VSWR	2.0
Peak Gain	6.5dBi
Phase Center Repeatability	1mm

LOW NOISE AMPLIFIER

LNA Gain	502dB
Noise Figure	2dB
Output VSWR	2.0
Passband Ripple	2dB
Operation Voltage	+3.3V to +12V DC
Operation Current	60mA
Differential Propagation Delay	5ns

PHYSICAL

Dimensions	Φ185mm*148mm
Connector	TNC Female
Weight	2.5Kg
Mounting	5/8"x11 Screws

ENVIRONMENTAL

Temperature	Operating -40°C to +85°C Storage -55°C to +85°C
Humidity	95% non-condensing

