

# Geo-Satellite Antenna with GPS

## GEO-ANT-GPS



### Overview

Integrated antenna for satellite transmissions and GPS reception.

- ▶ Transmits from a Data Collection Platform (DCP) to any Geostationary Satellite: GOES, METEOSAT, Himawari, FengYun
- ▶ Built-in Active GPS antenna allows uninterrupted GPS signal reception, for precise time synchronization
- ▶ CE, FCC/ISED Certified and RoHS Compliant

### Features

- ▶ Highly reliable for remote locations.
- ▶ 3dB beamwidth of 110° allows installation with minimal pointing.
- ▶ Beamwidth wide enough to illuminate multiple satellites
- ▶ Integrated active GPS antenna allows unobstructed GPS signal reception
- ▶ Waterproof, UV resistant enclosure with corrosion resistant aluminum mounting bracket with 316 stainless steel hardware for extreme meteorological conditions
- ▶ Easily mountable on pipe size from 1" to 2.5" OD with adjustable elevation over a 100° range



SPECIFICATIONS	
<i>Subject to change without notice</i>	
Parameters	Description
Polarization	Right Hand Circular
Gain	5.2 dBi Nominal
Frequency	401 - 403 MHz (RF Antenna)
3dB Beamwidth	110° Nominal
VSWR	1.5 max. (RF Antenna) 2.0 Max (GPS Antenna)
Impedance	50 Ohms (RF and GPS port)
Axial Ratio	1.2 dB typ.
Connector	Type-N Female (RF Antenna) SMA Female (GPS Antenna)
Temperature Range	-40°C to +85°C
Weight	1.75 lbs. (794 gms) - Antenna only
Dimensions (Antenna)	Cylindrical - height 13.33" (33.86 cms) - diameter 6.41" (16.28 cms)
IP Rating	IP67

ORDERING GUIDE	
Part Number	Description
GEO-ANT-GPS	Geostationary Antenna with GPS
GEO-ANT-GPS-K1	Geostationary Antenna with GPS and mounting bracket
GEO-ANT-GPS-K2	Geostationary Antenna with GPS, mounting bracket, UHF RF cable
GEO-ANT-GPS-K3	Geostationary Antenna with GPS, mounting bracket, UHF RF and GPS cables

