



1.2M KU-BAND SHIPBORNE ANTENNA

- This antenna specifically designed for use on ships or maritime vessels. These antennas are built to withstand the harsh maritime environment, including saltwater exposure, vibrations, and extreme weather conditions.
- Antenna enable ships to establish communication links with satellites in geostationary orbit, facilitating various applications such as internet connectivity, voice communication, data transfer, and navigation.
- Shipborne Ku-band antennas typically come with features such as stabilization systems to compensate for the ship's movement and maintain a stable communication link with the satellite. These antennas may also support automatic satellite tracking to ensure continuous communication as the ship moves.
- The 1.2m Ku-band shipborne antenna is used in various maritime applications, including commercial shipping, naval vessels, offshore platforms, and research vessels. It enables these vessels to stay connected to shore-based communication networks, access the internet, and communicate with other ships or satellite terminals.
- Installing a shipborne Ku-band antenna involves securing it to the ship's structure and integrating it with the vessel's communication systems. The antenna system may include a below-deck unit for processing and managing the communication signals.

Specifications:

- Antenna: 1.2M - D Ring Focus
- Radome: 1.70m x 1.85m
- Weight In Radome: 160kg (BUC Size Vary)
- Polarized Feed: Linear Cross-pol
- BUC Options: 8W, 16W Amplus
- Transmit Gain: 43.0dB @ 14.00GHz
- Receive Gain: 41.6 @ 12.00GHz
- System G/T: 19.4 dB/k (In Radome)
- Pedestal Type: 3-axis; Level, Cross Level and Azimuth
- Ship's Motion: +/-20 degrees Roll; +/-10 degrees pitch
- Transmission rate is compatible with many different types of modems, networks and services.
- Brake system on EL and CL axes to prevent damage due to loss of power.
- Easy Stand-alone or network compatible installation.
- Ku Band Frequency:
 - Rx: 10.70 to 12.75 Ghz
 - Tx: 13.75 to 14.50 Ghz
- Antenna Cable: Single 50Ω Co-Axial for Rx, Tx ACU- MODEM and Power
- Antenna Reflector Type: Ring Focus
- Temperature: Operational: -25°C to 55°C
- Storage: -40 °C to 85 °C
- Humidity: 100% Condensing

