



RELIA CHAIN INC.

Ku-Band VSAT Antenna

RELC-V100 1.0m Ku-Band VSAT Antenna

RELIA provides reliable satellite communication at sea with a 2048kb/s downlink and 512kb/s uplink. The 3-axis operating platform and 360 degree high-speed tracking design ensures a reliable link in even the most rugged conditions. With its simple setup and pre-programmed satellite almanac, staff with minimal training can have a system up and transmitting in just a matter of minutes.

FEATURES

- Advanced anti-vibration technology with built in shock absorber
- Automatic satellite search & skew control
- Fast tracking speeds (90 deg/s) for accurate and dependable signal lock
- 3-axis operating platform for reliable operations even in rough sea states
- Built-in motor brake and wire-ropo isolator for longevity and reliability
- Unlimited azimuth for precise tracking and ease of cable management

ENVIRONMENTAL

Temperature	-20° to +55°C
Humidity	Up to 100% @ 40°C

SPECIFICATIONS

ELECTRICAL

Reflector Aperture	100 cm (40 in)
Antenna Dimension	145 cm (D) x 153 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	125Kg
Tx Frequency	13.75 ~ 14.5 GHz
Rx Frequency	10.75 ~ 12.75 GHz
Tx Gain	41.0 dBi @ 14.25 GHz
Rx Gain	40.0 dBi @ 11.75 GHz
Operating Platform	3 - Axis
Skew Control	Automatic
Elevation Angle	-18° to +110°
Azimuth Range	Unlimited
Cross Angle	± 35°
Tracking Speed	More than 95°/sec
Antenna Input Power	48V DC, 4.18A
ACU Size	19" Rack 1U size
Gyro Interface	NMEA 0183, Synchro, Step by Step
Input Power	100 ~ 120V AC / 200 ~ 240V AC 50/60Hz, 8A/4A
Output Power	48V DC, 4.18A
External I/O	RS-232C, Mini-USB, Ethernet, Console

PACKAGING

Size (L x W x H)	160 cm x 160 cm x 178 cm
Gross Weight	253Kg