



RELIACHAIN INC.

Ku-Band VSAT Antenna

RELC-V100KA 1.0m Ka-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-rope isolator for longevity and reliability
- Unlimited azimuth for precise tracking and ease of cable management

SPECIFICATIONS

ELECTRICAL

Reflector Aperture	100 cm (40 in)
Antenna Dimension	145 cm (D) x 153 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	123 Kg
Tx Frequency	29.0 ~ 31.0 GHz
Rx Frequency	19.2 ~ 20.2 GHz
Tx Gain	47.8 dBi @ 29.5 GHz
Rx Gain	44.5 dBi @ 19.7 GHz
Operating Platform	3 - Axis
Skew Control	Automatic
Elevation Angle	-15° to +110°
Azimuth Range	Unlimited
Cross Angle	± 35°
Tracking Speed	More than 90°/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

ENVIRONMENTAL

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

PACKAGING

Size (L x W x H)	160 cm x 160 cm x 178 cm
Gross Weight	251 Kg