



V100NX KA



GEO/MEO/LEO VSAT Terminal for Vessels



**GEO/MEO/LEO
CONSTELLATIONS
COVERAGE**

**INTER-CONVERTS FROM
KA TO KU AND KU TO KA
BANDS**

SINGLE CABLE SOLUTION

**STREAMLINED DUAL
ANTENNA OPERATION**

**COST-EFFICIENT
INSTALLATION**



With the world's most accurate satellite tracking performance that covers GEO, MEO, and LEO constellations, v100NX Ka can easily convert from Ka to Ku and Ku to Ka bands without additional complexity and components. It operates on standardised modular components to reduce the number of spare parts by more than 30%.

V100NX Ka is a single cable solution for Tx, Rx, and DC power, and can be quickly installed at a reduced cost. Along with AptusNX, an integrated M&C platform, this versatile VSAT terminal has an intelligent diagnosis function for accurate antenna monitoring and convenient maintenance.

V100NX Ka is powered by the advanced Telenor THOR network, extended via Europe and the Middle East. With a long-standing partnership with Telenor since 2003, IEC Telecom offers a full portfolio of maritime KU/KA and LTE services. In addition, we offer a range of value-added services to ensure the best user experience and enable higher operational efficiency for your vessel.

CHARACTERISTICS

Above Deck Unit (ADU)

- Weight: 113 kg
- Dimensions
 - Radome: 145.4 cm (height); 137.9 cm (diameter)
 - Reflector: 105 cm (diameter)
- Elevation Range: -20° to 115°
- Dynamic Brake System
- Tx Frequency: 29.0 ~30.0 GHz Ka-Band
- Tx Gain: 48.2 dBi @ 29.5GHz (excl. radome)
- Rx Frequency: 19.2 ~ 20.2 GHz Ka-Band

- Rx Gain: 44.5 dBi @ 19.7GHz (excl. radome)

- BUC Power: 5 W and 10 W
- Single 50-ohm Coax Cable

Antenna Control Unit (ACU)

- Weight: 5.2 kg
- Dimensions: 43.1 x 35 x 4.4 cm
- Power: 100 ~240 VAC, 50~60Hz, 4A
- Ethernet Port
- RS-232C
- -422C I/O Console
- Management Port
- LAN Port