IEC telecom

Intellian

v100NX KA

GEO/MEO/LEO VSAT Terminal for Vessels

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-band. It operates on standardised modular components to reduce the forthcoming number of spare parts by more than specially 30%. As a future-proof convertible antenna system, v100NX Ka supports 2.5 GHz Ka- wideband network with a tuned radome and reflector. IEC Telecom offers Intellian's NX series antennas to enable connectivity over multiple satcom services and optimise the entire VSAT lifecycle with a low cost of ownership.

FEATURES

- GEO/MEO/LEO constellations coverage
- Converts from Ka- to Ku-band
- Single cable solution
- Streamlined dual antenna operation
- AptusNX antenna management platform
- Standardised modular components

SPECIFICATIONS

ABOVE DECK UNIT (ADU)

WEIGHT:
113 kg

DIMENSIONS:
Radome: 145.8 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:
for Rx, Tx, FSK, Reference and Power from ACU to ADU

ANTENNA CONTROL UNIT (ACU)

WEIGHT:
5.2 kg

DIMENSIONS:
43.1 x 35 x 4.4 cm

POWER:
100 ~240 VAC, 50~60Hz, 4A

MODEM INTERFACE:
Ethernet Port / RS-232C,-422C / I/O Console

MANAGEMENT PORT

LAN PORT

WI-FI OPERATION

MODEM PROTOCOL:
iDirect, Comtech, SatLink, Hughes, GILAT, Newtec

USE CASES

RECREATIONAL SAILING

Deliver more bandwidth to recreational sailing customers at a low cost with Intellian's robust antenna anywhere on the planet. Benefit from standardised modular components for a sleek layout.

FISHING

Access high-speed internet connectivity for both corporate purposes and private usage by crew members onboard fishing vessels. Transfer accurate data and tracking information.

OFFSHORE SUPPORT VESSELS

Bring onboard a high-performance satellite communications channel for offshore support vessels with limited available space. Support critical operations and handle large amounts of data.