

# v130NX

## Future-proof communications system for remote areas

As the world's first 1.25m Ku- to Ka-band convertible VSAT antenna, v130NX delivers the highest RF performance in its class over both satellite bands with a frequency-tuned reflector and fully supports dual antenna operations with an embedded mediator radome. A future-proof communications system, v130NX is designed to track non-geostationary (NGSO) satellites. Compatible with LEO, MEO, and GEO constellations, it offers a seamless network service for ships, offshore vessels, and superyachts even in the most remote areas. Standardised modular components reduce the number of spare parts by more than 40%. 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



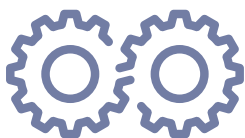
GEO/MEO/LEO constellations coverage



Converts from Ku- to Ka-band



Single cable solution



Embedded dual antenna mediator



AptusNX antenna management platform



Standardised modular components

## SPECIFICATIONS

### ABOVE DECK UNIT (ADU)

#### WEIGHT:

150 kg

#### DIMENSIONS:

Radome: 172.4 cm (height); 168.1 cm (diameter)

Reflector: 125 cm (diameter)

#### ELEVATION RANGE:

-20° to 115°

### DYNAMIC BRAKE SYSTEM

#### TX FREQUENCY:

13.75 ~14.5 GHz Ku-Band

#### TX GAIN:

43.5 dBi @ 14.25GHz (excl. radome)

#### RX FREQUENCY:

10.7 ~ 12.75 GHz Ku-Band

#### RX GAIN:

42.0 dBi @ 11.7GHz (excl. radome)

#### BUC POWER:

8 W, 16 W, 25 W and 40 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

#### MODEM PROTOCOL:

iDirect, Comtech, SatLink, Hughes, GILAT, Newtec

#### WI-FI

## USE CASES

### ICE-BREAKER VESSELS

Provide high-quality inexpensive VSAT communications on ice-breaker vessels. Improve fleet operations, offer critical safety solutions, and enable crew welfare services.

### SUPERYACHTS

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

### 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.

