



v45C

Compact VSAT antenna for smaller vessels



Extending the scope of data speeds and capacity delivered by VSAT to a new market of smaller vessels, v45C is a compact and lightweight Ku-band system. With a single cable dome-on connection and built-in browser-based AptusNX software, v45C is easy to install onboard leisure boats, fishing boats, and small government and commercial vessels that usually have limited space for communications equipment. v45C delivers enhanced connectivity, optimal High-Throughput Satellite (HTS) and Ku-band performance, and a better user experience over lower cost.

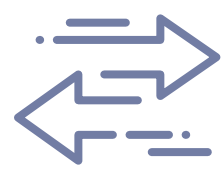
FEATURES



Compact VSAT terminal



Flexibility for preferred Ku-band service provider



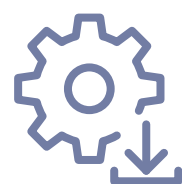
Cost-effective logistics support



Optimal HTS & Ku-band performance



AptusNX antenna management platform



Simple installation

SPECIFICATIONS

ABOVE DECK UNIT (ADU)

WEIGHT:

23 kg

DIMENSIONS:

Radome: 62.7 cm (height); 61 cm (diameter)

Reflector: 45 cm (diameter)

ELEVATION RANGE:

-5° to 115°

TX FREQUENCY:

13.75 ~14.5 GHz Ku-Band

TX GAIN:

34.8 dBi @ 14.25 GHz

RX FREQUENCY:

10.7 ~ 12.75 GHz Ku-Band

RX GAIN:

33.2 dBi @ 11.7GHz

G/T:

> 12.3 dB/K @ 12.75 GHz (Clear Sky, 30° Elevation)

BUC POWER:

6 W

SINGLE 50-OHM COAX CABLE:

for Rx, Tx, FSK, Reference and Power from ACU to ADU

BELOW DECK UNIT (BDU)**WEIGHT:**

5.2 kg

DIMENSIONS:

43.1 x 35 x 4.4 cm

POWER:

100 ~240 VAC, 50~60Hz, 1A

MODEM INTERFACE:

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

MANAGEMENT PORT**LAN PORT****GYROCOMPASS INTERFACE:**

NMEA0183

REMOTE MANAGEMENT

USE CASES

SMALL LEISURE BOATS

Deliver reliable and high-quality connectivity to small leisure boats at a low cost with Intellian's compact antenna anywhere on the planet. Benefit from best-in-class performance and efficiency.

FISHING

Access cost-effective internet connectivity onboard fishing vessels that usually have limited space for communications equipment. Connect the antenna to a Ku-band service provider of choice.

ENERGY & OFFSHORE VESSELS

Bring onboard a high-performance satellite communications link for offshore support vessels with limited available space. Support critical operations over both HTS and wide-beam Ku-band satellites.

