Connect v60E

65cm Ku-band Maritime VSAT Antenna System

Connect Coverage NX

Efficient RF Performance

AMI Connect's advanced RF design technology delivers highly efficient performance with compact and light mechanical structure compared to other 65 cm class systems. The v60E has improved tracking precision and reliability in a compact and streamlined mechanical design. The v60E system is only supplied with NJRC 6W BUC.

Connect Coverage NX Intelligent Diagnosis

AMI Connect's all-new integrated M&C platform Connect Coverage NX provides a responsive web user interface to manage and control the antenna system regardless of device types. The Installation Wizard in Connect Coverage NX automates functions for system configuration so that operators are minimally involved in system installation and operation.

Single Coaxial Cable

Combined Tx, Rx and DC power in a Single Cable solution, the v60E enables faster and cost efficient installation. The single coaxial cable is connected externally on the base of radome with no need to access the inside of the radome.

Standardized Modular Components Across E-Series

Modular components are used throughout the E-Series product range, such as motors with integrated encoders, main control unit and internal cables. Sharing common modules across AMI Connect's E-series antenna systems, the number of spare parts is reduced by more than 30%.

AMI Connect

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Connect Box

The Connect Box* - our unique 1U 19 inch rack mountable device enables you to use the attractive and affordable Connect mobile services by utilising your current KU band Satellite hardware.

Connect Global coverage area

Connect Regional coverage area

* Approximation of coverage only at time of issue. Subject to change at AMI Connect's discretion. No service or availability guarantees may be implied herewith.

Data only packages

Maximum Information Rate (MIR) data transfer speed for below data packages: 3Mbits/1Mbits. 20GB and 40GB packages are available for sharing between a fleet of vessels. Each vessel will be required to pay a small monthly network connection fee. For further information on sales and subscriptions please get in touch. For details of 'always on' unlimited data packages see below.

'Always on' Unlimited Data

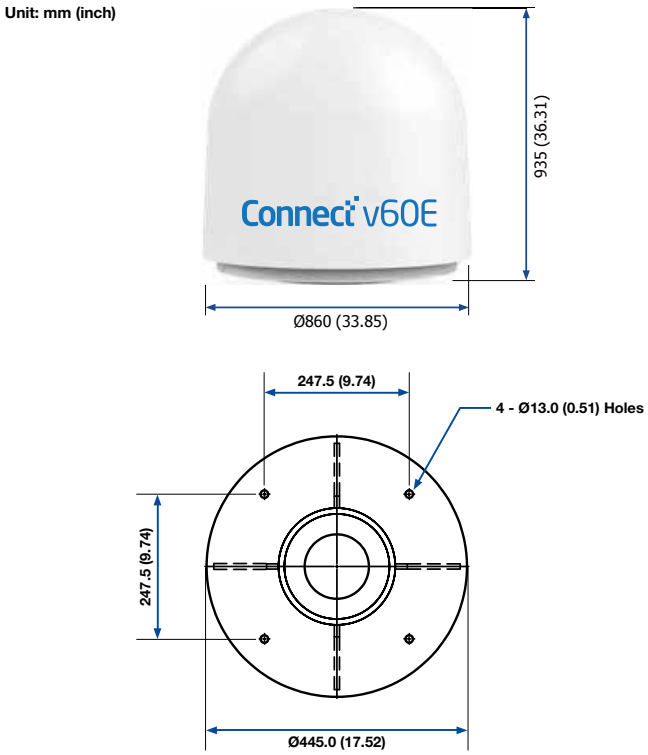
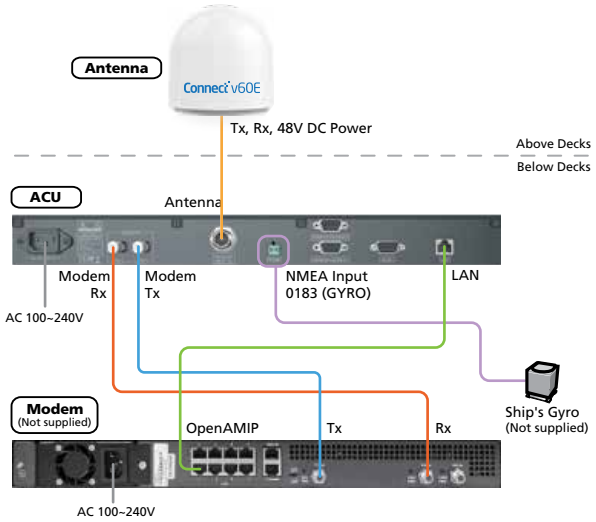
Data transfer speed (in Kbits) based on Maximum Information Rate (MIR). A monthly connection fee per vessel applies each package after first month which is FREE.

Technical Specifications

Above Deck Unit	
Radome Height	93.5 cm / 36.81"
Radome Diameter	86 cm / 33.85"
Reflector Diameter	65 cm / 25.6"
ADU Weight	42 kg / 92.6 lbs
Platform	3-axis / Azimuth, Elevation, Cross-level
Azimuth Range	Unlimited
Elevation Range	-20°to +115°
Cross-level Range	Up to ± 37°
Stabilization Accuracy	0.2° max in presence of specified ship motions
Tx Frequency	13.75 ~ 14.5 GHz Ku-band
Tx Gain	37.7 dBi @ 14.25 GHz (excl. radome)
Rx Frequency	10.7 ~ 12.75 GHz Ku-band
Rx Gain	36.3 dBi@11.7 GHz (excl. radome)
G/T	15.4 dB/K@12.75 GHz (Clear Sky, 30° Elevation)
BUC Power	6W
LNB	Universal PLL LNB
Polarization	Linear, Cross-pol Only
Antenna Cable	Single 50 ohm coax cable for Rx, Tx, FSK, Reference and Power from ACU to ADU

Antenna Control Unit	
Dimension (WxDxH)	43.1 cm x 35.0 cm x 4.4 cm / 17" x 13.8" x 1.7"
Weight	5.2 kg / 11.5 lbs
LED Indicator	6 LEDs for Power, INT/Search, Tracking, Lock, Setup, Error
Gyrocompass Interface	NMEA0183
Modem Interface	Ethernet port / RS-232C,-422C / I/O Console
Remote Management	Yes
Management Port	Yes
LAN Port	Yes
Power Requirement	100~240 V AC, 50~60 Hz, 3A

System Dimensions



System Diagram