

VSAT Communication (V-Series)

GENERAL DESCRIPTION

Full 3-axis gyro stabilized tracking system keeps the antenna pointing at the satellite, even in rough seas or when maneuvering the ship at high speed provides high quality, consistent, always-on broadband data connections. The Super Track V-series is the perfect solution for owners of leisure craft, small and large commercial vessels, as well as military vessels worldwide, who require the same Internet experience at sea that they use at home and at the office. The V-series antenna will bring lightning-fast broadband connections and simultaneous, reliable telephone service to the vessel at an affordable rate. Best of all, the system's compact design is easy to install and looks great on any vessel. Enjoy always-on high speed internet, e-mail, multiple lines of VoIP Phone and more with this system.

PRODUCT INFORMATION

APPLICATIONS WITH V-SERIES VSAT SYSTEM

- E-mail service with internet environment, Video conference with VoIP telephone lines, and Mobile Wi-Fi phone, wireless Internet with Smartphones and a variety of IP user applications

SELECTION GUIDE OF ANTENNA MODELS

- The MRC V-series line of products is designed for ship owners who need internet and voice systems as well as HDTV, on their vessel regardless of whether it is moored or voyaging in rough conditions

LTEM	V61	V85	V100	V120	V240	V300
Dish	61Cm(24")	85Cm(33")	100Cm(39")	120Cm(47")	240Cm(95.5")	300Cm(118")
Dome(HxD)	82cm x 72cm	121cm x 113cm	151cm x 139cm	161cm x 157cm	310cm x 315cm	375cm x 380cm
Material	ABS/FRP(Option)	FRP	FRP	FRP	FRP	FRP
Weight	40kg(4W)	87kg(4W)	114kg(4W)	142kg(4W)	420kg(4W)	620kg(4W)
G/T	14.0dB/K	17.7dB/K	19.7dB/K	20.4dB/K	20dB/K	20.4dB/K
Rx/Tx Gain	36dB/36.5dBi	38.5dB/38.9dBi	40.5dB/41.1dBi	41.9dB/43.7dBi	38.5dB/341.6dBi	40.1dB/43.7dBi
BUC	4/6/8W	4/6/8W	4/6/8/16/25W	4/6/8/16/25W	25/40/80/100/200W	25/40/80/100/200W
Platform	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis
LNB	Linear/Int. PLL	Linear/Int. PLL	Linear/Int. PLL	Linear/Int. PLL	Linear/Int. PLL	Linear/Int. PLL
Skew Control	Auto/ - 130°C ~ 13°C	Auto/ - 130°C ~ 130°C	Auto/ - 130°C ~ 130°C	Auto/ - 130°C ~ 130°C	Auto/ - 130°C ~ 130°C	Auto/ - 130°C ~ 130°C
EI/Az	-10°~100°/Unlimited	-20°~105°/Unlimited	-20°~105°/Unlimited	-20°~110°/Unlimited	-20°~110°/Unlimited	-20°~110°/Unlimited
Cross Angle	+/- 35°C	+/- 30°C	+/- 30°C	+/- 30°C	+/- 30°C	+/- 30°C
Tracking Spd.	90 deg/s	90 deg/s	90 deg/s	90 deg/s	90 deg/s	90 deg/s
Damper	Rubber Damper	Rubber Damper	Wire Rope Isolator	Wire Rope Isolator	None	None
Temp/Humid	-20°C ~ 55°C / 100%	-20°C ~ 55°C / 100%	-20°C ~ 55°C / 100%	-20°C ~ 55°C / 100%	-20°C ~ 55°C / 100%	-20°C ~ 55°C / 100%
GPS/Area	Built-in / Worldwide	Built-in / Worldwide	Built-in / Worldwide	Built-in / Worldwide	Built-in / Worldwide	Built-in / Worldwide
Gyro	NMEA/Synchro/Step	NMEA/Synchro/Step	NMEA/Synchro/Step	NMEA/Synchro/Step	NMEA/Synchro/Step	NMEA/Synchro/Step
Ku/C Band	Ku(Small)	Ku(Commercial)	Ku(Commercial)	Ku(Large)	Ku/C(Passenger)	Ku/C(Cruise/Offshore)

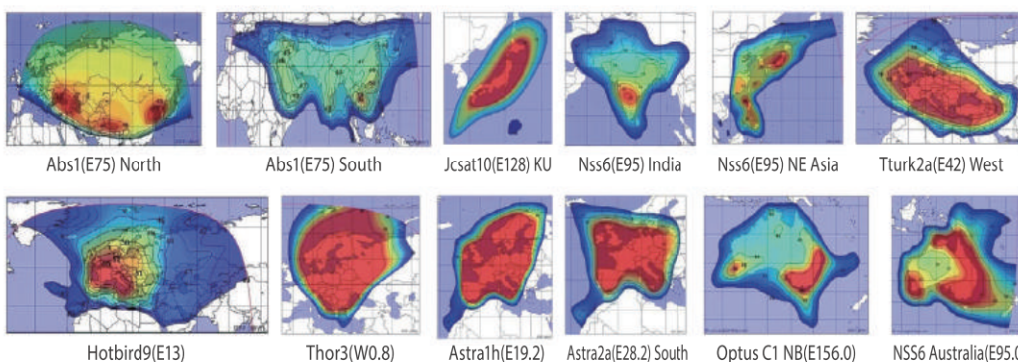
* Notice : The detailed technical information in this sheet may change without notice.





PRODUCT INFORMATION

Coverage Maps of Satellite TVRO and VSAT

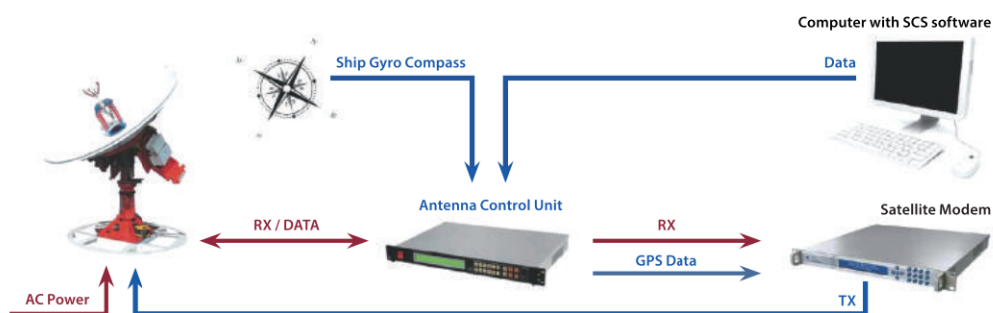


The coverage map is intended as a general guideline.

Optional Features

- Dual-system configuration(With a dual controller and a single modem) to overcome blockage
- ABS(Automatic Beam Switch) function among air-time suppliers
- Terrestrial Telephone & Fax, Video Phone, Video Conference, Remote Monitoring, PC, Wireless or Wired Ethernet Connection with VoIP, CCTV systems

System Diagram



Wiring Diagram of VSAT System for Internet and Telephone(for Reference)