

# PRODUCT DESCRIPTIONS

## SAT TVRO System(T-Series)

Ku/C-Band 3-Axis marine stabilized antenna  
for multiple satellite TV selection(45, 61, 85, 100, 120, 240, 300Cm)

### GENERAL DESCRIPTION

The T-Series TVRO is a popular maritime satellite television system, made for high performance and superior quality by Marine Radio Co., Ltd. It has a dish from 40cm to 300cm, which is perfect for vessels yet still maintains a wide coverage range. The ADE has a 3-axis stabilization system with enhanced reception which many others cannot rival. It has strong frame antenna and built-in GPS for fast satellite acquisition and higher performance to stay locked on, which helps the mariners to receive analogue, digital, and HDTV signals while vessel is cruising in rough sea conditions. In addition to wide coverage range and built-in GPS for fast satellite acquisition, it also includes DVB-S2 (Digital video broadcasting) signal identification, and MRC's proprietary antenna control and fast-track signal lock software, plus high-performance stabilization which can track satellites even in inclement weather. Also the system will support multiple receivers and its programs have worldwide coverage.

#### Selection Guide of Antenna Models

The MRC T-series line of products is designed for ship owners who want to watch satellite television on their vessel regardless of whether it is moored or voyaging in rough conditions

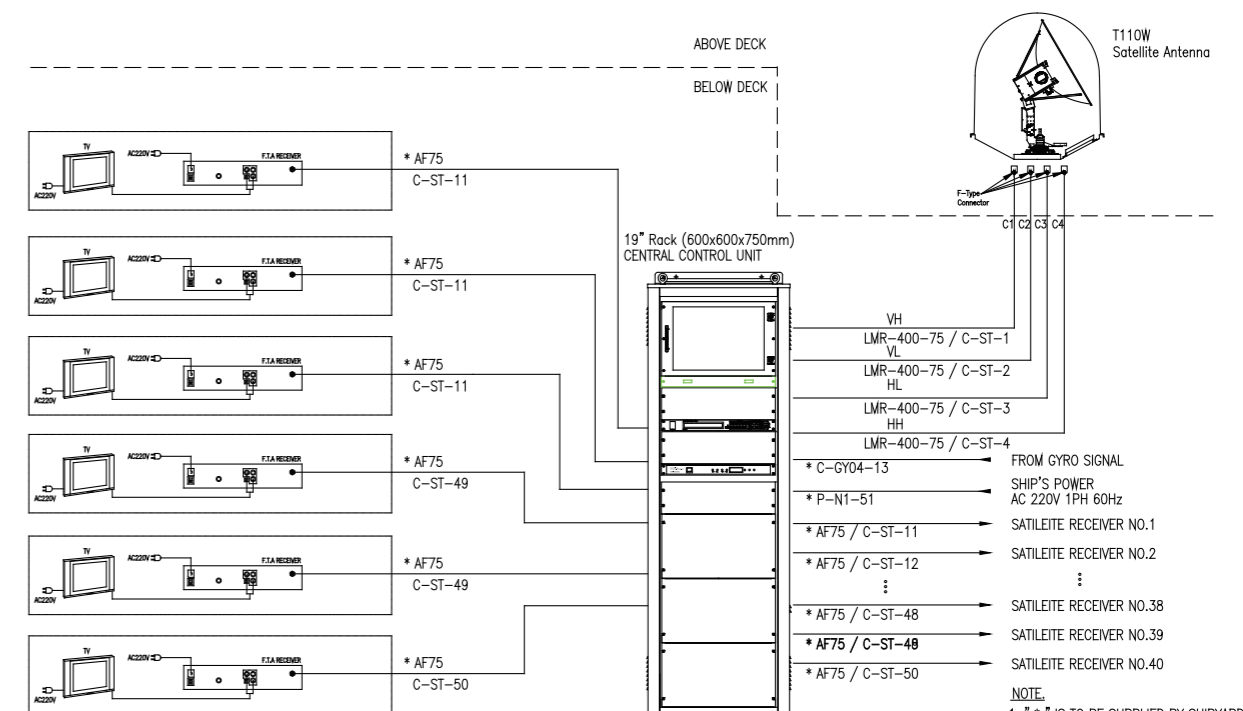
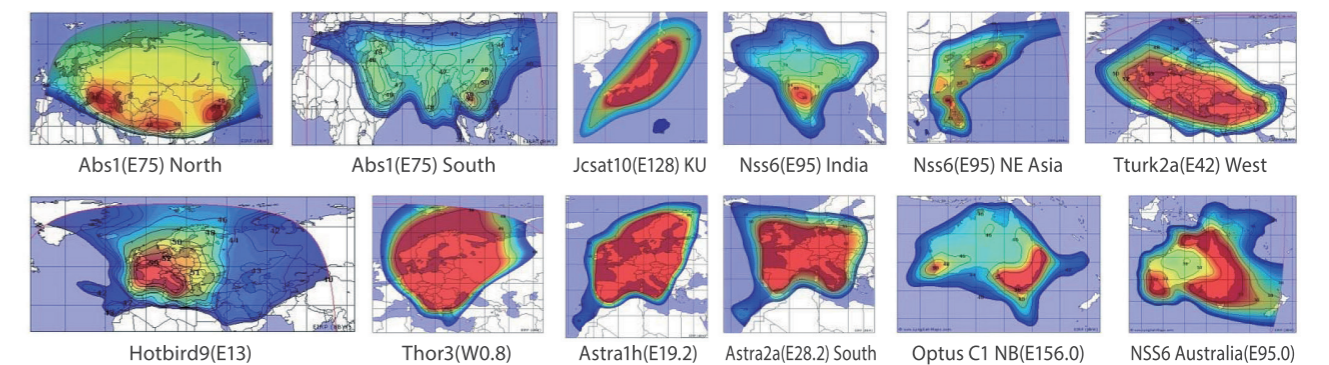
Item	T40	T60	T80	T100	T120	T240	T300
Dish	45Cm(18")	61Cm(24")	85Cm(33")	100Cm(40")	120Cm(48")	240Cm(95.5")	300Cm(118")
Dome (H x D)	63cm x 51cm	82cm x 72cm	121cm x 113cm	151cm x 139cm	161cm x 157cm	355cm x 320cm	375cm x 380cm
Dome Material	Plastic	Plastic	FRP	FRP	FRP	FRP	FRP
Weight	19kg	37kg	57kg	90kg	105kg	530kg	620kg
Min. EIRP, Ku/C	48dBW	46dBW	44dBW	43dBW	41dBW	36dBW/ 31dBW	35dBW/ 30dBW
Az/EI	640°/ -20° ~ 95°	640°/ -15° ~ 85°	640°/ -10° ~ 100°	Unlimited / -20° ~ 110°	Unlimited / -20° ~ 110°	Unlimited / -15° ~ 120°	Unlimited / -15° ~ 120°
Skew Control	Auto/100°	Auto/100°	Auto/220°	Auto/260°	Auto/260°	Auto/300°	Auto/300°
LNB	Quad/ Quattro	Quad/ Quattro	Quad/ Quattro	Quad/ Quattro	Quad/ Quattro	Dual C/ Quattro Ku	Dual C/ Quattro Ku
Tracking Spd.	More 90°/sec	More 90°/sec	More 90°/sec	More 90°/sec	More 90°/sec	More 90°/sec	More 90°/sec
Platform	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis	3-Axis
Area	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide
GPS	Built-In	Built-In	Built-In	Built-In	Built-In	Built-In	Built-In
Gyro	Option (NMEA)	Option (NMEA)	NMEA	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step	NMEA, Synchro, Step-by-Step
Temp/ Humid.	-25°~55°/ 100%	-25°~55°/ 100%	-25°~55°/ 100%	-25°~55°/ 100%	-25°~55°/ 100%	-25°~55°/ 100%	-25°~55°/ 100%
Ku/C Band	Ku	Ku	Ku	Ku	Ku	Ku/C	Ku/C
Ship	Yacht	Small	Commercial	Commercial	Large	Passenger	Cruise/Offshore

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#### Coverage Maps of Satellite TVRO and VSAT

The coverage map is intended as a general guideline.



[ Wiring Diagram of TVRO System for Multiple TV(for Reference) ]

NOTE:  
1. "\*" IS TO BE SUPPLIED BY SHIPYARD.  
2. "MC" IS TO BE SUPPLIED BY MAKER