



Maritime TVRO antenna for seamless TV reception with 45 cm diameter dish

EPAK S4 Evo was built for the requirements of watching television while cruising in open seas.

This TVRO antenna gives you the possibility to memorize up to 20 different TV satellite frequencies among which to choose, according to your current location and your desires, easily change the stored satellites, whenever you want, and get access to many others TV channels.

Surprisingly light-weighted with only 12 kg, the EPAK maritime satellite antenna S4 Evo can be easily installed on every type of boat, from the smallest to the biggest ones and it will guarantee to you a continuous and clear reception of the TV signal.

KEY FEATURES:

- Evolution: 2 Gyro techniques together for a perfect satellite pointing
- Highest pointing accuracy due to EPAK's patented EBF-Gyro
- Elevation range from +5° to +85°
- Tracking speed up to 40°/s per axis
- Twin availability
- Light-weighted device (only 12 kg)
- Extremely contained dimension to be installed on any vessel

Reflector diameter



45cm

Max. Tracking Speed



40°/s

Easy installation

Simple 3-wire-coax cable connection between ODU and IDU.

Small dimensions

Rugged and reliable, the antenna is indeed extremely light-weighted and its very contained dimensions fit the needs of even the smallest boats.

Diversity Kit Compatibility

No more blind spots by combining the free line of sight ranges of two antennas in one bundle. That will prevent nearly any loss of satellite signals through blockades.

Sensor-based Satellite Reacquisition

Instant relock feature after passing obstacles like bridges, buildings, trees etc.

All your favourite channels

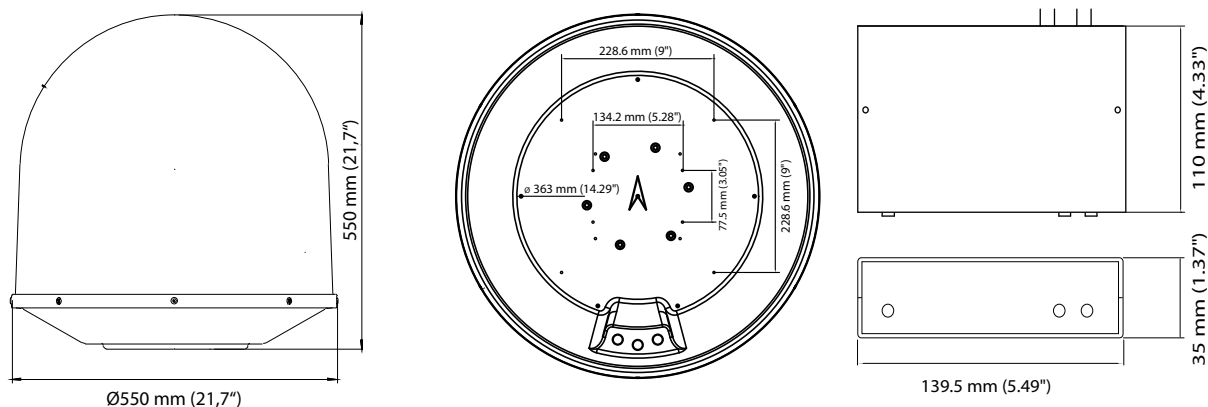
Up to 4 satellites can be stored and changed by the user at anytime, allowing you to watch all your favourite programs in your language.



Feed Subsystem	
Reflector diameter	45 cm (17.73")
Minimum E.I.R.P.	49 dBW
LNB	Universal Linear (LOF 9.75/10.6 GHz) or High-band Circular (LOF 10.75 GHz) or other LNB on request
LNB type	Single or Twin
Frequency	10.7 - 12.75 GHz
Antenna gain	33.7 dBi @ 12.5 GHz
Position acquisition	Internal GNSS (GPS)
Tracking receiver	Internal, 950 - 2150 MHz; BW 2.5 - 10 MHz
Drive Subsystem	
Tracking technology	EPAK® Evo: Electronic Beam Forming (EBF-Gyro) + 3D Rate Gyro + 3D inertial + GNSS
Maximum tracking speed	40°/s (each axis)
Azimuth range	Unlimited
Elevation range	+5° to +85°
Skew movement	Manual
Maximum ship motion	<ul style="list-style-type: none"> Roll ±30° @ 6 sec Pitch ±20° @ 6 sec Yaw ±8° @ 6 sec
Ship motion (for stabilization accuracy tests)	<ul style="list-style-type: none"> Roll ±30° @ 10-12 sec Pitch ±20° @ 8-10 sec Yaw ±8° @ 15 sec
Motion system	2-axis plus skew
Miscellaneous	
Lock on time	Typ. 20 sec
Satellite acquisition	Completely automated by SatFingerprint technology
Satellite positions	Up to 4 freely programmable active positions / Preconfigured database
Satellite selection	Manually via Control Unit or via receiver (DiSEqC™ V1.0 command)
EPAK® Diversity-Kit compatible	✓
Operating temperature	-20°C to 55°C
Storage temperature	-30°C to 85°C
Power Specifications	
Power supply	14-32 V DC
Power consumption	20-40 VA
Dimensions and Weight	
Radome (D x H)	55 cm x 55 cm (21.67" x 21.67")
Weight (incl. radome)	12 kg (26.46 lbs)
Shipping dimensions	
Box type	Cardboard box
Dimensions - gross weight	58 cm x 58 cm x 84 cm - 17 kg (22.83" x 22.83" x 33.07" - 37.4 lbs)

Control Unit	
Dimensions	14 cm x 3,5 cm x 11 cm (5.49" x 1.37" x 4.33")
Weight	300 g (0.66 lbs)
Power supply	12-20 V DC (powered by receiver)
Power consumption	100 mA
Operating temperature	-20°C to 70°C
Storage temperature	-30°C to 85°C

Radome and ACU Dimensions



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