



Maritime TVRO antenna for seamless TV reception with 60 cm diameter dish

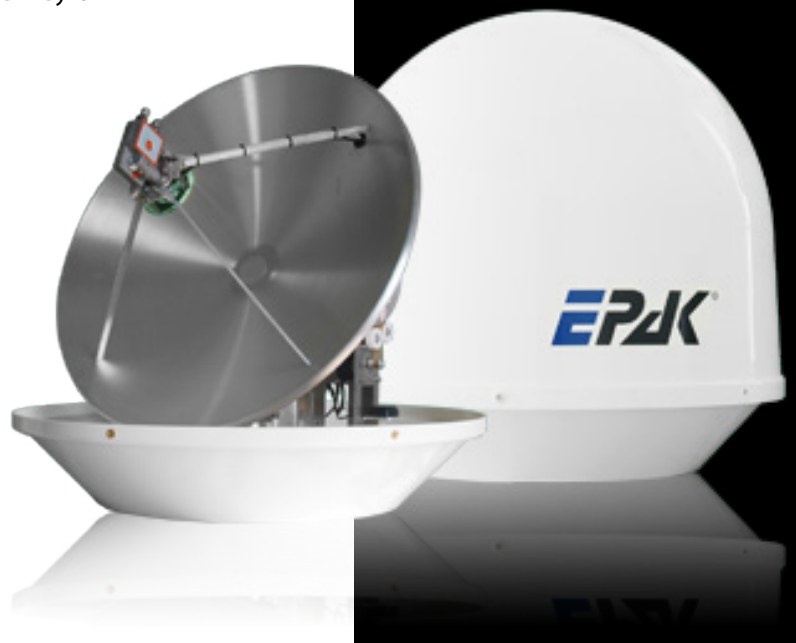
EPAC S6 Evo is a maritime TVRO antenna designed to provide you with a top quality television signal reception, combining a light-weighted device made of stainless steel and sea waterproof alluminium with a reflector diameter of 60 cm that guarantees you and your guests a seamless TV enjoyment while sailing in the open seas.

Its high tracking speed (up to 40°/s per axis) enables the antenna to compensate strong ship movements while keeping the connection to the satellite. A built-in GPS module is implemented in the S6 Evo for an automatic elevation and polarization angle calculation.

The possibility of using a Quattro LNB allows you to connect as many receivers as you want, for a TV enjoyment to share with your family, friends and colleagues.

KEY FEATURES:

- Evolution: 2 Gyro techniques together for a perfect satellite pointing
- Highest pointing accuracy due to EPAC's patented EBF-Gyro
- Elevation range from +5° to +85°
- Tracking speed up to 40°/s per axis
- Twin and Quattro availability
- Light-weighted device (only 16 kg)
- Unlimited azimuth range (no cable unwrap)



Reflector diameter



60cm

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.

Multi-user Kit

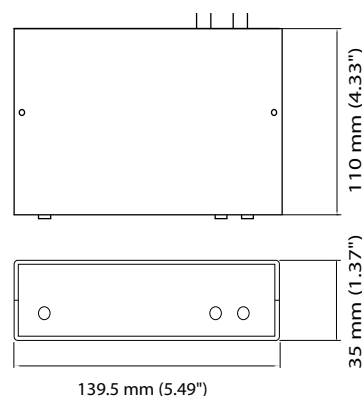
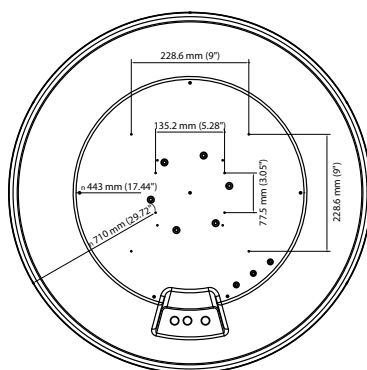
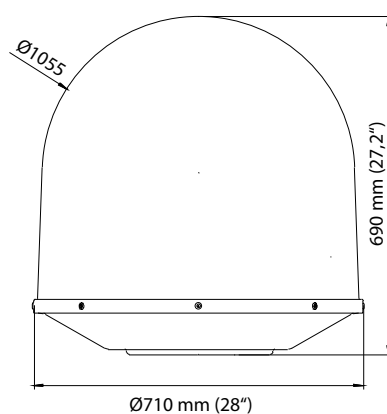
Through connection of multi-user kits an unlimited number of TV places can be served.



Feed Subsystem	
Reflector diameter	60 cm (23.6")
Minimum E.I.R.P.	46 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 or Quattro
Frequency	10.7 - 12.75 GHz
Antenna gain	36.3 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)	71 cm x 69 cm (27.95" x 27.19")
Weight (incl. radome)	16 kg (35.27 lbs)
Shipping dimensions	
Box type	Cardboard box
Dimensions - gross weight	78 cm x 78 cm x 88 cm - 22 kg (30.71" x 30.71" x 39.64" - 48.4 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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