R6 Evo

Reflector diameter	Max. Tracking Speed
60cm	12°/s

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

EPAK R6 Evo is made for cruising in inland waterways. It is a light-weighted, yet strong and reliable antenna system for television reception.

Made with the best materials, fulfilling the industry standards of the European Union - and so guaranteeing highest quality levels - the R6 Evo is a very cost efficient system with an attractive price-performance ratio.

The Quattro LNB solution is what you need for a shared installation: using one or more multiswitches to deliver signals to any number of decoders, allows you and your guests to enjoy every TV event you want to watch, separately.

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°
- Twin and Quattro availability
- Light-weighted device (only 16 kg)
- Unlimited azimuth range (no cable unwrap)

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

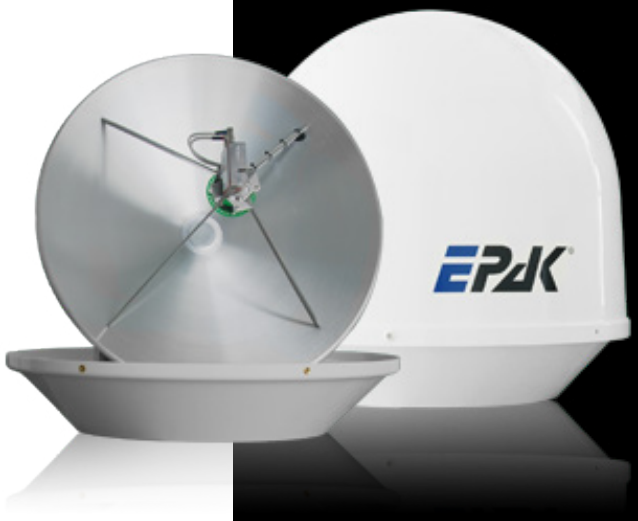
Small dimensions
Rugged and reliable, the antenna is indeed extremely light-weighted and its very contained dimensions fit the needs of even the smallest boats.

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.



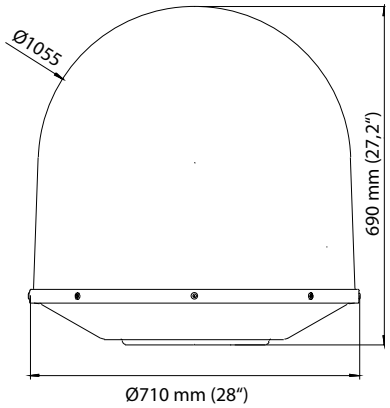
Evolution Series

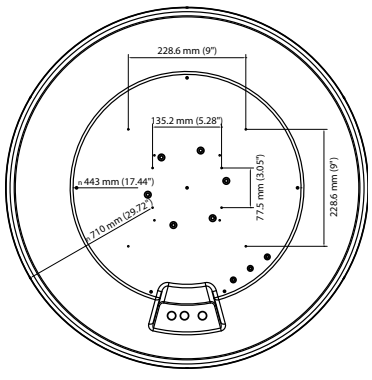
TECHNICAL SPECIFICATION R6 Evo

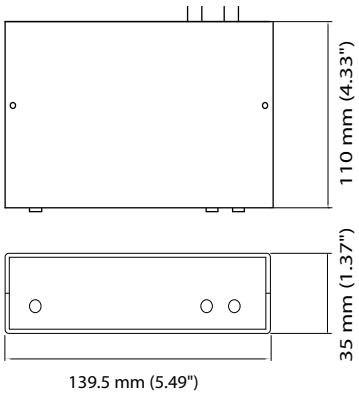
Feed Subsystem	
Reflector diameter	60 cm (23.6")
Minimum E.I.R.P.	46 dBW
LNB	Universal Linear (LOF 9.75/10.6 GHz) or High-band Circular (LOF 10.75 GHz) or other LNB on request
LNB type	Single or Twin or Quattro
Frequency	10.7 - 12.75 GHz
Antenna gain	36.3 dBi @ 12.5 GHz
Position acquisition	Internal 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	12°/s (each axis)
Azimuth range	Unlimited
Elevation range	+5° to +85°
Skew movement	Manual
Maximum ship motion	• Roll ±30° @ 6 sec • Pitch ±20° @ 6 sec • Yaw ±8° @ 6 sec
Ship motion (for stabilization accuracy tests)	• 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 101 cm - 22 kg (30.71" x 30.71" x 39.76" - 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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