



# DS6 Evo

Reflector diameter



60 cm

Max. Tracking Speed



30°/s

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

EPAK DS6 Evo is the right choice for those who want a reliable and powerful television reception system on board, keeping an eye on the dimensions of the antenna. With its 60 cm diameter dish, the DS6 Evo is able to offer to you a seamless signal reception and can face the toughest weather conditions while moving in opens seas.

Its contained dimensions allow you to use the DS6 Evo on almost every kind of vessel and the implementation of our Diversity Kit is the perfect solution for getting rid of all bothering blind spots.

Storing up to 4 different satellites to chose from, the DS6 Evo is the maritime satellite system that brings TV entertainment to your boat: in your language and wherever you want.

### KEY FEATURES:

- Evolution: 2 Gyro techniques together for a perfect satellite pointing
- Extended elevation range from -10° to +90°
- Tracking speed up to 30°/s per axis
- Quattro LNB, for connecting as many receivers you want
- High-quality material for operating even under the hardest conditions
- 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

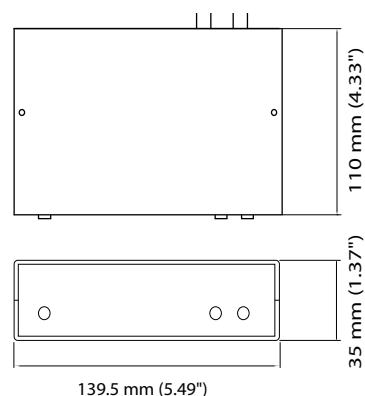
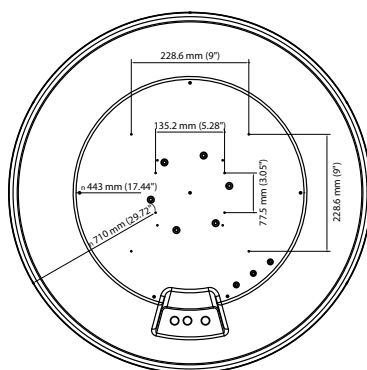
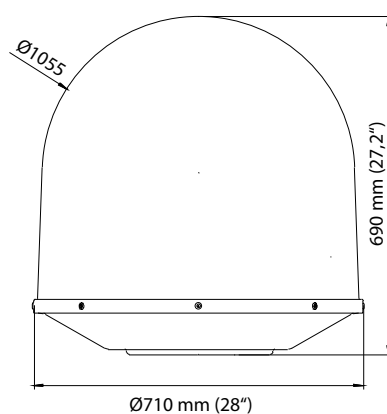
Through connection of multi-user kits an unlimited number of TV places can be served.



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	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	30°/s (each axis)
Azimuth range	Unlimited
Elevation range	-10° to +90°
Skew movement	Automated -120° to +120°
Maximum ship motion	<ul style="list-style-type: none"> <li>Roll ±30° @ 6 sec</li> <li>Pitch ±20° @ 6 sec</li> <li>Yaw ±8° @ 6 sec</li> </ul>
Ship motion (for stabilization accuracy tests)	<ul style="list-style-type: none"> <li>Roll ±30° @ 10-12 sec</li> <li>Pitch ±20° @ 8-10 sec</li> <li>Yaw ±8° @ 15 sec</li> </ul>
Motion system	2-axis plus skew
Miscellaneous	
Lock on time	Typ. 30 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
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	30-80 VA
Dimensions and Weight	
Radome (D x H)	73 cm x 81 cm (28.74" x 31.88")
Weight (incl. radome)	35 kg (77.16 lbs)
Shipping dimensions	
Box type	Cardboard box
Dimensions - gross weight	78 cm x 78 cm x 101 cm - 43 kg (30.71" x 30.71" x 39.76" - 94.8 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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