

DS9

Emotions in High-Definition

TVRO Series

EPK®

DS9

3-Axis Stabilized Maritime TVRO Antenna with 90 cm Dish Diameter

Easy installation

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

Multi Vision

As many receivers as you want can be integrated.

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.

Small dimensions

Although equipped with a 90cm dish which allows you a perfect signal reception, the DS9 is built keeping in mind the containment of the size, in order to give you a device as small as possible.

Built-in EPAK® EBF-Gyro

Most precise satellite pointing accuracy while deriving tracking informations straight from the received satellite signal.

EPAK® DS9 is the most powerful and most reliable antenna in EPAK®'s TVRO family.

This antenna is specifically designed to meet even the hardest requirements in harsh seas. With its automated polarization tracking it guarantees best signal quality even during extreme tilted positions.

Enjoy all the quality and fun of television entertainment in High-Definition, in your language and wherever you are. And with our Diversity Kit, you can forget about those boring blind spots and signal interruptions, for a flawless and relaxing television experience.

Benefits:

- Significantly higher throughput at lower monthly rates than Ku-band services
- More affordable hardware solution
- Highest pointing accuracy due to EPAK®'s patented EBF-Gyro
- Spotbeam technology for improved performance of shared access airtime plans



DS9

3-Axis Stabilized Maritime TVRO Antenna with 90 cm Dish Diameter

Dimensions & Weight

Radome (D x H)	114 cm x 140 cm (44.8" x 55.1")
Weight (incl. Radome)	62 kg (136.68 lbs)

Reflector & Feed Subsystem

Reflector diameter	90 cm (35.43")
Minimum E.I.R.P.	44 dBW
LNB	Universal (LOF 9.75/10.6 GHz, linear/circular)
LNB type	only Quattro available

Drive Subsystem

Tracking sensor	Electronic Beamforming (EBF-Gyro) for tracking during present sat signal / Solid State Sensor for tracking during blocked sat signal
Maximum tracking speed	up to 30° /s (each axis)
Azimuth movement	unlimited
Elevation movement	-10° to 90°
Skew movement	Automated +/- 120° from zero point
Motion system	3-axes servo belt

Power Specification

Power supply	12-36 VDC
Power consumption	20-40 VA

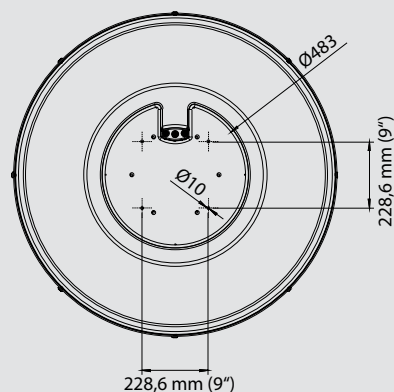
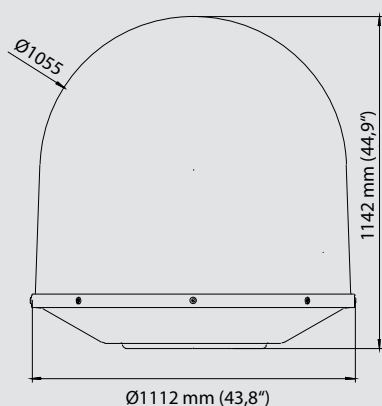
Miscellaneous

Lock on time	typ. 10-20 sec.
Satellite acquisition	Completely automated by SatFingerprint technology
Satellite positions	Up to 4 freely programmable active positions / Preconfigured database
Satellite selection	By control unit or by receiver (via DiSEqC™)
EPAK Diversity-Kit compatible	✓
Operation temperature	-20°C to 70°C
Storage temperature	-30°C to 85°C

Antenna Control Unit

Power supply	12-20 VDC (powered by receiver)
Power consumption	100 mA
Operating temperature	-20° to 70°C
Storage temperature	-30° to 85°C

Radome Dimensions



EPAK GmbH

Spinnereistr. 7

04179 Leipzig, Germany

Phone +49 (0) 341 2 12 02 60

Fax +49 (0) 341 2 12 02 66

For more information visit www.epak.de