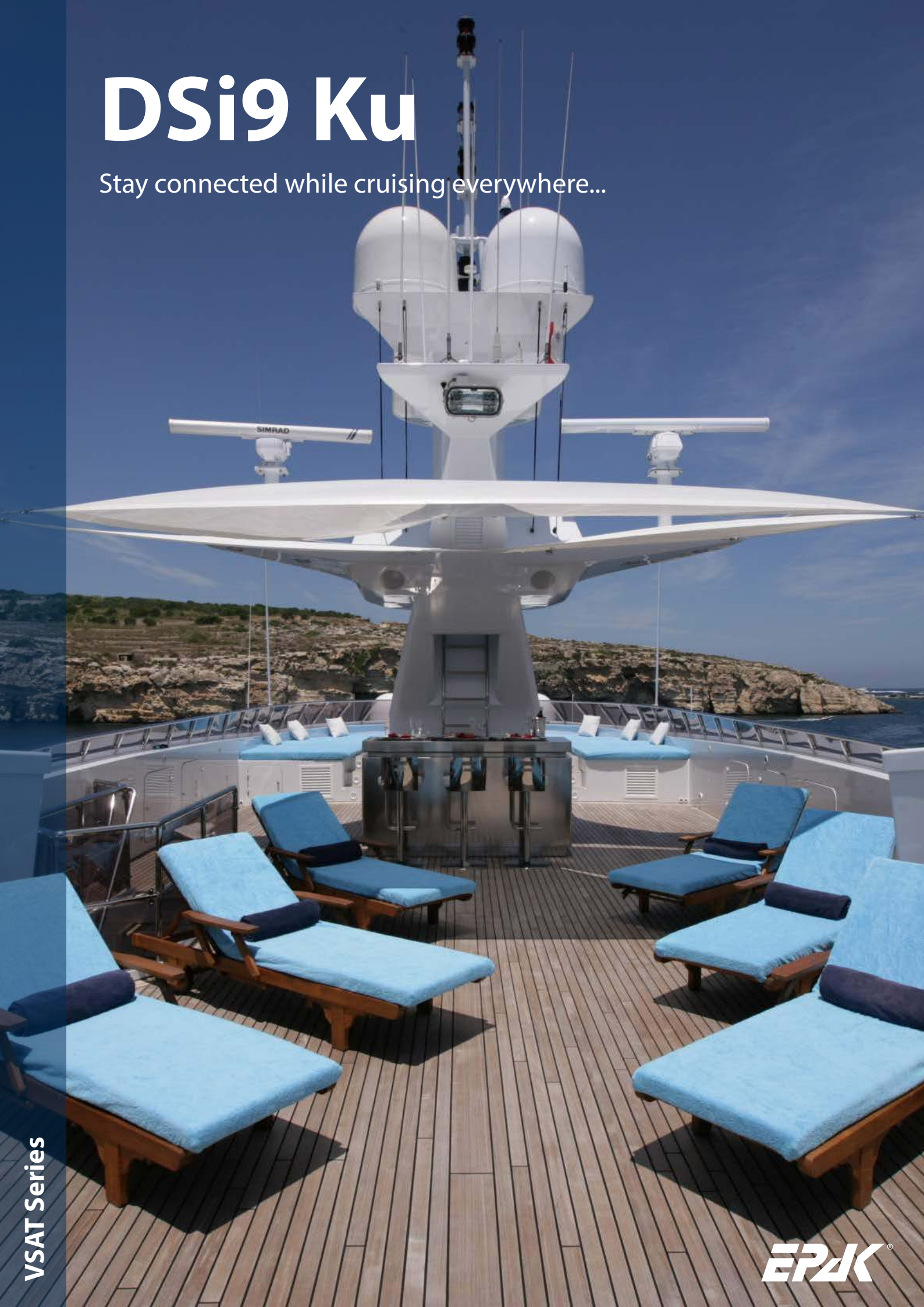


DSi9 Ku

Stay connected while cruising everywhere...



VSAT Series

EPK[®]

DSi9 Ku

3-Axis Stabilized Maritime VSAT Antenna for Ku-Band Services with 90 cm Dish Diameter

Easy installation

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

Remote Management Access

Access, monitor and control the DSi9 from every location in the world. Therefore, a lot of automated system diagnostics including event logging can be done

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.

Secured Traffic

If necessary, the whole traffic can be encrypted

Flexible Networks

Configure three different networks to set variable prioritizations, handle each network separated and set up various user rights.

Modem Platforms

The DSi9 is compatible with various modems such as STM, iDirect, Satnet, Hughes, Paradise Datacom, Romantis...

Built-in EPAK® EBF-Gyro

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

The **EPAK® DSi9 Ku** is our most powerful VSAT antenna in Ku-band. Specifically built to work even in the harshest weather conditions, thanks to the top quality materials it is made of, the DSi9 Ku brings on your boat all the efficiency of the Ku-band, wherever you are.

Robust and rugged in its mechanics, the DSi9 Ku is the perfect choice for those who wants to sail in opean seas without giving up on using a stable and fast internet connection as if they were at home.

Compatible with all the most common modems, the DSi9 Ku will fulfil all your expectations of a fast and uninterrupted internet connection.

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



DSi9 Ku

3-Axis Stabilized Maritime VSAT Antenna for Ku-Band Services with 90 cm Dish Diameter

Dimensions & Weight

Radome (D x H)	114 cm x 140 cm (44.8" x 55.1")
Weight (incl. Radome)	65 kg (143.3 lbs)

Reflector & Feed Subsystem

Reflector diameter	90 cm (35.43")
Minimum E.I.R.P.	44 dBW
LNB	Universal (PLL stabilized, internal Ref.)
BUC	Standard Ku (PLL stabilized, external Ref.)
Available BUC power	5 Watt, 7 Watt, 7 Watt SE (Super Extended)
RX Frequency	10.7 - 12.75 GHz (LOF 9.75/10.6 GHz)
TX Frequency	Standard: 14.0 - 14.5 GHz (LOF 13.05 GHz) , Super-Extended: 13.75 - 14.5 GHz (LOF 12.8 GHz)
RX/TX polarisation	X-Pol and Co-Pol

Drive Subsystem

Tracking sensor	Eletronic 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	24 VDC via Antenna Control Unit (ACU)
Power consumption	20-40 VA (only ODU), BUC excluded

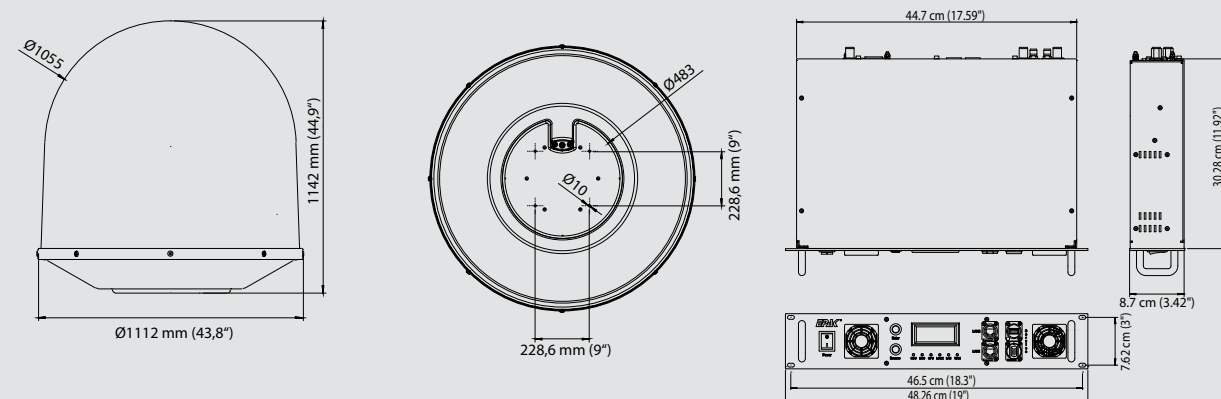
Miscellaneous

Lock on time	typ. 30 sec.
Satellite acquisition	Completely automated by DVB-S2-Receiver and Modem confirmation (according to ETSI 302 340)
EPAK Diversity-Kit compatible	✓
Operation temperature	-20°C to 55°C
Storage temperature	-30°C to 85°C

Antenna Control Unit

Dimensions	19" - 2HE (483 mm x 91 mm x 374 mm)
Power supply	220 V AC - 50 Hz
Power consumption	100 VA
Operating temperature	-20° to 55°C
Storage temperature	-30° to 85°C

Radome and ACU Dimensions



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For more informations visit www.epak.de