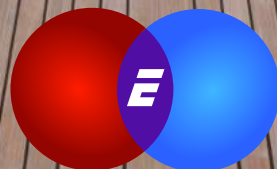


DSi9 Ku - Evo

Stay connected while cruising everywhere...

VSAT Evo-Series



Evolution Series

EPK[®]

DSi9 Ku - Evo

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

EPAK® Evolution

Most precise satellite pointing accuracy thanks to the combination of two different tracking systems, an Electronic Beamforming (EBF) Gyro together with a 3D Gyro module.

Secured Traffic

If necessary, the whole traffic can be encrypted

Flexible Networks

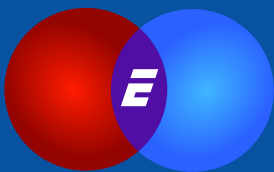
Configure three different networks to set variable prioritizations, handle each network separated and set up various user rights.

Modem Platforms

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

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.



Evolution Series

EPAK®

The **DSi9 Ku - Evo** 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 - Evo** 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 - Evo** combine the power of the Ku-band with the use of a 90 cm diameter dish that allows you to have a high-quality signal reception and transmission.

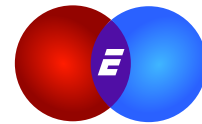
Benefits:

- **Evolution:** 2 Gyro techniques together for a perfect orientation
- Easy to install
- Up to 8 Mb/s in Download!
- Highest pointing accuracy due to EPAK®'s patented EBF-Gyro
- Range movement from -10° to 90°
- 90 cm dish for a better signal reception
- BUC electronically switchable in Xpol and CoPol operation



DSi9 Ku - Evo

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



Evolution Series

Dimensions & Weight

| | |
|-----------------------|------------------------------|
| Radome (D x H) | 111 x 114 cm (43.9" x 44.9") |
| Weight (incl. Radome) | 65 kg (143.3 lbs) |

Shipping Dimensions

| | |
|---------------------|--|
| Box type | wooden box |
| With accessories | 126 x 126 x 170 cm - 245 kg (49.57" x 49.57" x 66.93" - 539 lbs) |
| Without accessories | 126 x 126 x 137 cm - 180 kg (49.57" x 49.57" x 54.02" - 396 lbs) |

Reflector & Feed Subsystem

| | |
|---------------------|---|
| Reflector diameter | 90 cm (35.43") |
| Minimum E.I.R.P. | 43 dBW |
| LNB | Universal (PLL stabilized, internal Ref.) |
| BUC | Standard Ku (PLL stabilized, external Ref.) |
| Available BUC power | 8 / 16 / 25 Watt |
| 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 | EPAK® Evo: Electronic Beamforming (EBF-Gyro) + 3D Gyro module |
| 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-axis servo belt |

Power Specification

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

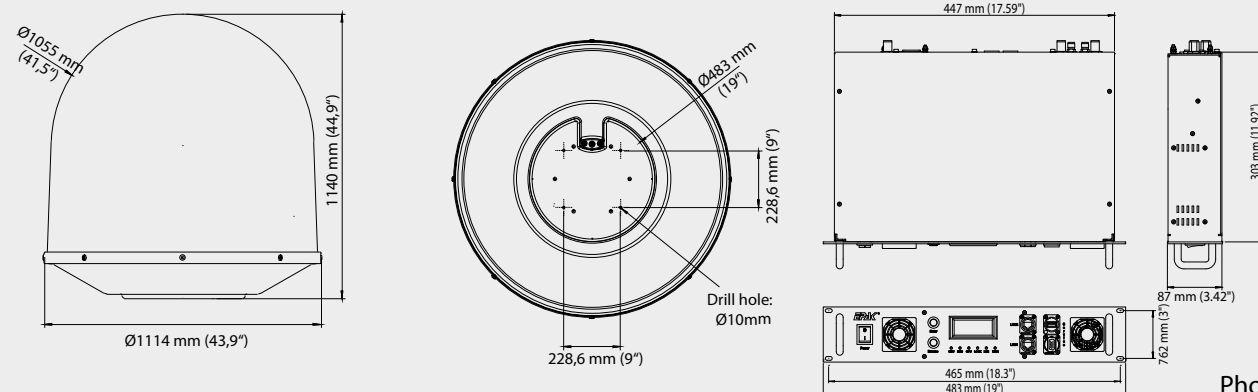
Miscellaneous

| | |
|--------------------------------|--|
| 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 | 48,3 cm x 9 cm x 37,4 cm (19" - 2RU) |
| Power supply | 220 V AC - 50 Hz |
| Power consumption | 100 VA |
| Operating temperature | -20° to 55°C |

Radome and ACU Dimensions



EPAK GmbH
Spinnereistr. 7
04179 Leipzig, Germany
Phone +49 (0) 341 2 12 02 60
Fax +49 (0) 341 2 12 02 66