

DSi9 Ka

Incredible.
Internet.
Speed.

VSAT Series

EPK[®]

DSi9 Ka

Stabilized Maritime VSAT Antenna for Ka-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 Ka 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

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

Automatic Satellite Acquisition

The acquisition of the satellite is completely automated by DVB-S2-Receiver and Modem confirmation

EPAK® DSi9 Ka is the EPAK®'s all new maritime VSAT tracking antenna operating in Ka-band, that brings to you the fastest satellite internet connection.

Due to the new Ka-Band technology indeed, the EPAK® DSi9 Ka reaches breathtaking speeds of 10 Mbit/s in download and 4 Mbit/s in upload - **via satellite!**

The DSi9 Ka is the perfect solutions for high data-volume demands on boat: its impressive speed both in download and in upload is ideal for those Internet services and applications such as video phone calls, music and video streaming.

DSi9 Ka 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

Due to the solid, rugged and robust design the antenna is made to meet even the hardest requirements in harsh seas.



DSi9 Ka

Stabilized Maritime VSAT Antenna for Ka-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) | 60 kg (143.3 lbs) |

Reflector & Feed Subsystem

| | |
|---------------------|----------------------------|
| Reflector diameter | 90 cm (35.43") |
| LNB | Viasat TRIA (LOF 21.2 GHz) |
| BUC | Viasat TRIA (LOF 27.7 GHz) |
| Available BUC power | 3 Watt |
| RX Frequency | 19.7 - 20.2 GHz |
| TX Frequency | 29.5 - 30.0 GHz |
| RX/TX polarisation | RHCP/ LHCP swappable |

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° |
| Motion system | 2-axes servo belt |

Power Specification

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

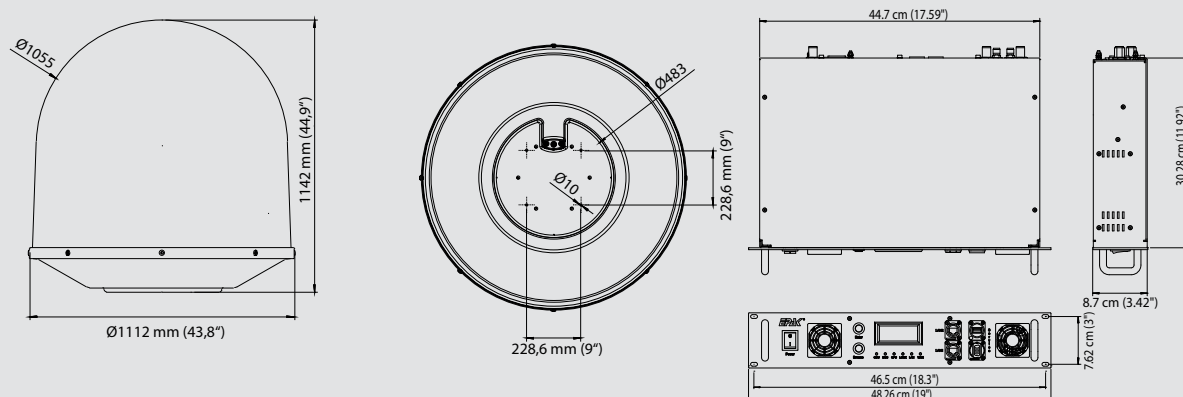
Miscellaneous

| | |
|-----------------------|--|
| Modem Type | Viasat Surfbeam 2 |
| Modem approval | Standard type approval; CE & EPAK type approval |
| Lock on time | typ. 60 sec. |
| Satellite acquisition | Completely automated by DVB-S2-Receiver and Modem confirmation |
| Operation temperature | -20°C to 55°C |
| Storage temperature | -30°C to 85°C |

Antenna Control Unit

| | |
|-----------------------|------------------------------------|
| Dimensions | 19" - 2U (483 mm x 91 mm x 374 mm) |
| Power supply | 220 VAC - 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