

DSi9 Ka - Evo

Incredible.
Internet.
Speed.

VSAT Evo-Series



Evolution Series

EPAK[®]

DSi9 Ka - Evo

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 - Evo 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



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DSi9 Ka - Evo 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 DSi9 Ka - Evo reaches breathtaking speeds both in download and in upload - **via satellite!**

The DSi9 Ka - Evo 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 - Evo Benefits:

- **Evolution:** 2 Gyro techniques together for a perfect orientation
- Significantly higher throughput at lower monthly rates than Ku-band services
- More affordable hardware solution
- 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 - Evo

Stabilized Maritime VSAT Antenna for Ka-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)	60 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")
LNB	(LOF 21.2 GHz)
BUC	(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	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°
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

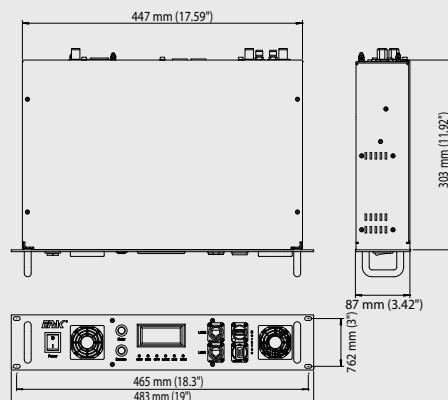
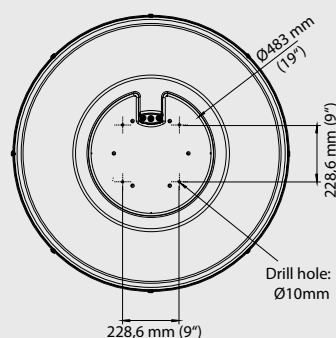
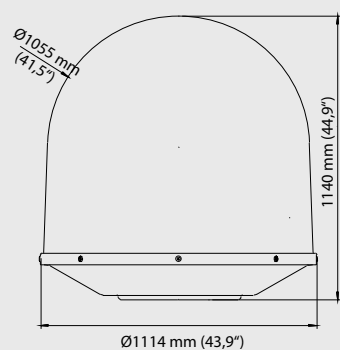
Miscellaneous

Modem Type	working with several modem types
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	48 cm x 9 cm x 37,4 cm (19" - 2RU)
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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