

DSi9 Ka Pro

Maritime VSAT antenna with 90 cm dish size and -3axis motion system for Ka-band services.





The DSi9 Ka PRO is the EPAK maritime VSAT tracking antenna operating in Kaband that brings to you the fastest satellite internet connection.

Max. BUC power

25 w

Due to the Ka-band technology, the DSi9 Ka PRO can reach breath-taking speeds both in download and in upload - via satellite connection. The DSi9 Ka PRO is the perfect solution for high data-volume demands on board: its impressive speed both in download and in upload is ideal for Internet services and applications such as video phone calls, music and video streaming.

Remote Management Access

Access, monitor and control the DSi9 Ka Pro from any location in the world or set up an automated system diagnostics including event logging.

SIM LTE

You can insert two local SIM cards into the antenna's control unit to access low-cost, highspeed Internet when a 3G/4G network is available.

Automatic Satellite Acquisition

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

Web Interface

EPAK VSAT antennas feature an embedded webserver to rovide a web user interface for making configurations and accessing live data from the antenna for simplified troubleshooting and monitoring performance.

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.

Solid Hardware

Improved hardware reliability against sea conditions.

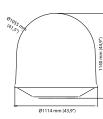
KEY FEATURES:

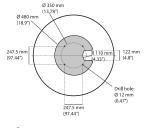
- 3-axis motion system + auto skew
- Range movement from -15° to +120°
- Tracking speed up to 50%
- Easy to install
- 90 cm dish for high-quality signal reception and transmission
- Electronically switchable in x-pol and co-pol operation
- Compatible with most modems
- Ku-Band / Ka-Band convertible
- VoIP optional
- RF optimized dome



≥ 2.00 m (according to IEC 60945) CE (Maritime), ETSI Complies with the specifications of EC directive 53/2014/EU Radio & Tele- communications Terminal Equipment (R&TTE); compliance with EC directive 35/2014/EU, EMC directive 30/2014/EU and IEC 427-301 48 V DC (supplied by ACU) 48 24 V DC / 250 VA (supplied by ACU) Up to 150 VA (supplied by ACU) Th cm x TI4 cm (43.7" x 44.9")
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≥ 2.00 m (according to IEC 60945)
 Operational: < 150 km/h Survival: < 200 km/h
IP56
According to IEC 6-4-60721; MIL-STD810-F
According to IEC 60945; MIL-STD1-167-
According to IEC %100 ,60945 condensing
°30-C to °85C
°30-C to °55C
Telenor type approval; Standard type approval; CE & EPAK type approval;
✓
Completely automated by DVB-S-2Receiver and/or modem confirmation (according to ETSI 340 302)
Typ, 30 sec (Time to Online depends on modern
-3axis
 Roll 12-10 @ °30± sec Pitch 10-8 @ °20± sec Yaw 15 @ °8± sec
 Roll 6 @ °35± sec Pitch 6 @ °25± sec Yaw 6 @ °15± sec
°45- to °45+
°15- to °120+
Unlimited
°50/s (each axis)
Twin RF tracking receiver + 6D inertial + GNSS (NMEA input optional)
i rom ku- to ka-band via separate kit
30.0 - 29.5 GHz From Ku- to Ka-Band via separate kit
20.2 - 19.7 GHz
Internal, 2150 - 950 MHz; BW 50 - 0.5 MHz
Internal GNSS (GPS / Glonass / Galileo / Beidou / QZSS)
>18.5 dB/K (clear sky, 30 ° elevation)
Circular (X-pol)
46.7 dBi @ 29.5 GHz
optional) 43.0 dBi @ 20.2 GHz
5 W for XGX35F85CD, (other wattages
Integrated in transceiver
(other transceivers optional) Integrated in transceiver
Skyware XGX35F85CD
90 cm (35.43")

Antenna Control Unit	
Dimensions (W xHxD)	48.2 cm x 4.4 cm x 38 cm (18.9" x 1.7" x 19) ("14.9" Rack 1HU size)
Weight	5.1 kg (11.24 lbs)
Gyro interface	NMEA0183 / NMEA2000 (via RS422 or RS485 or RS232) / SIMRAD RGC11
Input voltage, frequency	264~90 V AC, 63~47 Hz
Interfaces	 1x RS232/RS422 (RJ45) 4x Ethernet + 1x open BMIP (RJ45) 2x USB 1x GPIO
Local user interface	256x64px OLED-Display, 3 Status-LEDs, 6 Push-Buttons
Modem interface	Ethernet port + GPIO
Modem protocols	openAMIP /SNMP/Telnet/open BMIP
Remote access	TCP / IP
Position acquisition	Supplied by ODU
Operating temperature	°20-C to °55C
Storage temperature	°40-C to °85C
Humidity	According to IEC 60945
IP class	IP 30
Compass safe distance	0.5 m according to IEC 60945
Supported modems	
Modern type	iDirect iNFINITI, Evolution, Velocity Hughes HX200 ViaSat SBT-M Comtech CDM840/250- Gilat Skyedge II C4 Paradise PD25L, Datacom Q-Flex Advantech VR700, VR7400 STM Satilink 1910 Romantis/Eastar UHP1000/UHP2000 others on request
Cables and Connectors	
ACU to Antenna	 2x Double shielded coax cable (ECOFLEX 10) with N-plugs
ACU to Modem	 2x Double shielded coax cable (RC6) with F and TNC-plugs 1x Ethernet with RJ45 plugs





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