



VS80

KU Band Maritime VSAT



## Advantages

**Less signal loss, more integrated module**

With modem integrated inside the radome, the signal transmission loss has been significantly decreased.

**Plug & Play**

BIRDSAT VSAT antenna is user friendly, with built-in satellite recognition unit, just power on and the antenna will lock the satellite quickly and precisely without any extra manual configuration.

**Simplified installation**

With a patented design of shipborne bracket, there's no need to dismounting the radome before installation. One outdoor cable combined with TX, RX and DC power cables all together connects to the radome base directly, and makes cost effective and simplified installation.

**Higher wave transmittance, higher strength**

By using GFRP material radome, the wave transmittance has been increased and the capability of wind resistance has also been increased.



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### TECHNICAL SPECIFICATIONS

Reflector Diameter	80 cm / 31.5 inch
Radome Height	104 cm / 40.9 inch
Radome Diameter	110 cm / 43.4 inch
VSAT Weight	75 kg / 165.3 lbs
Platform	3-axis
Azimuth Range	Unlimited
Elevation Range	-10° - 110°
Cross-level Range	-30° - 30°
Pointing accuracy	0.2°
Polarization	Linear Cross
Frequency Band	KU Band
Tx Frequency	13.75 GHz to 14.5 GHz
Tx Gain	38.6 dB @ 14.25 GHz
Rx Frequency	10.7 GHz to 12.75 GHz
Rx Gain	40.4 dB @ 11.75 GHz
BUC	6 W / 8 W / 16 W
LNB	Universal LNB
EIRP	47.2 dBW
G/T	17.6 dB/K
IP Class	IP56
Temperature (ambient)	-25°C - 55°C
Humidity	0 - 95%
Wind	80 kt. operational 110 kt. survival
Compass safe distance	78.3 cm
Input power	DC 24V
Modem Protocol	OpenAMIP iDirect-X3/X5/X7/IQ200 NEWTEC-MDC2510 HUGHES-HT2500 Gilat-Gemini-4 THISS-TCU421/422/505 Anovo-SatBox620
Modem types supported	