



HARDWARE

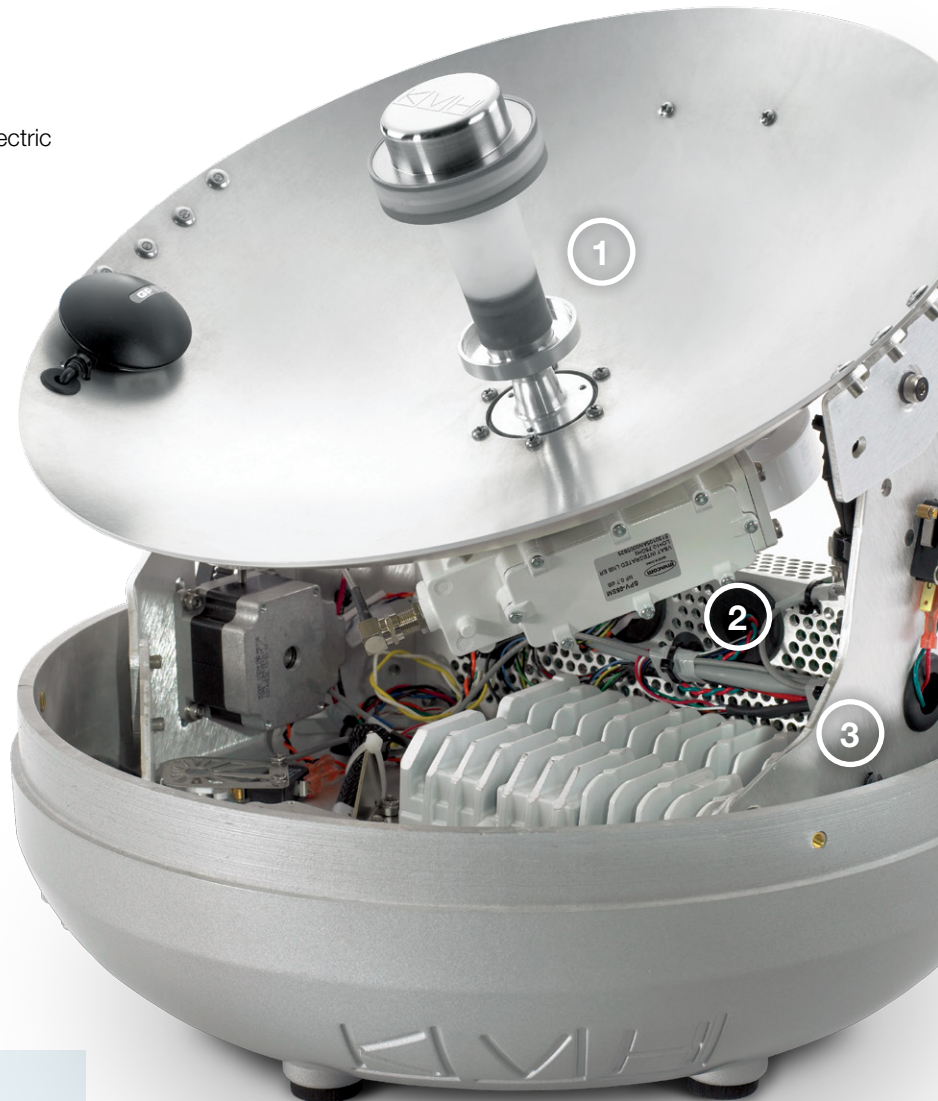
KVH® INDUSTRIES
MINI-VSAT
BROADBAND

TracPhone V3iP

Small antenna, big performance

The ultra-compact TracPhone® V3iP provides always-on broadband data connections, an integrated voice line, worldwide coverage from the mini-VSAT BroadbandSM network, and dramatically reduced airtime costs.

- ① Ultra-high efficiency antenna using KVH's RingFire™ design and groundbreaking dielectric rod feed ensures excellent Ku-band reception even in bad weather
- ② Advanced antenna controller for high-speed tracking
- ③ Dynamic, gyro-stabilized system seeks the optimum satellite within the mini-VSAT Broadband network and tracks it through the full dynamic motion experienced by commercial vessels



All VIP-series products include KVH's new **Integrated CommBox Modem (ICM)** with IP-enabled antenna control unit, CommBox™ Network Manager, ArcLight® spread spectrum modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch. Systems also feature a browser-based user interface and convenient iPhone® app for system status, updates, and support.

System Specifications

Service	
Network	mini-VSAT Broadband
Antenna Type	Ku-band
Service Coverage Area	Seamless Worldwide Regions
Maximum Speed Download/Upload ¹	2 Mbps/128 Kbps
Above-decks Equipment	
Antenna Dish Diameter	36.8 cm (14.5")
Antenna Unit Dimensions/Weight	39.4 cm D x 44.7 cm h (15.5" D x 17.6" h)/11.3 kg (25 lbs)
Elevation/Azimuth Range	7.5° to 75°/720° rotation
Temperature	Operating: -25°C to 55°C (-13°F to 131°F); Survival: -35°C to 70°C (-31°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 100L/min, w/wind speeds up to 100 knots
Antenna Unit Power	DC; provided by ICM
ICM to Antenna Unit Communications	14 Conductor Data Cable
L-band RF Cables (customer supplied)	For 5-15 m (16-49 ft.) choose RG-11 For >16-30 m (49-98 ft.) choose LMR-400-75 For >31-45 m (98-148 ft.) choose LMR-600-75
Below-decks Equipment – Integrated CommBox Modem (ICM)	
Dimensions	42.6 cm l x 41.4 cm w x 2U h (16.8" x 16.3" x 2U) rack-mountable with optional mounting provisions ²
Weight	5.1 kg (11.25 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -15°C to 70°C (5°F to 158°F)
Input Power	100-240 VAC, 50-60 Hz auto switching, 1.6 A max
Data Interfaces	4 Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbps; 1 Wi-Fi 802.11; 3 USB ports
Voice Interfaces	1 RJ11 port for VoIP services
System Options	
CommBox Software Bundles Available	Standard or Enterprise Bundles - see "Featured Options" at kvh.com/V3IP for details
Iridium Pilot® Secondary System	Available as standalone system (Part Number 72-0537-01) or V3IP/Iridium Pilot System Bundle w/ least cost routing (Part Number 01-0357-01); see "Featured Options" at kvh.com/V3IP for details
IP-MobileCast™ Services	Available; see minivsat.com/one for commercial applications and minivsat.com/vipyachts for leisure applications
UCH-250 Fax Server	For enterprise-grade faxing over IP (Part Number 19-0520); contact KVH for details
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details
Complete System	
Certification	Complies with the specifications of EC directive 1999/5/EC Radio & Telecommunications Terminal Equipment (R&TTE), per compliance with EC directive 2006/95/EC, EMC directive 2004/108/EC and IEC 301-427
System Warranty ³	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number	01-0335-11

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.

¹Published data speeds are maximum speeds and may vary in different regions and under different conditions.

²Optional Belowdecks Mounting Case (Part Number 72-0368) available for vessels without a rack.

³Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.



mini-VSAT Broadband Ku-band Coverage

The TracPhone V3IP is a two-axis, stabilized antenna that does not provide coverage in areas where the satellite is directly overhead as shown in the hatched areas to the left. KVH offers a TracPhone V3IP/Iridium Pilot system bundle that offers pole-to-pole global coverage.

The map depicts KVH's expectations for mini-VSAT Broadband's coverage; actual coverage and availability may vary. Data rates may also vary in different regions. Go to www.kvh.com/minivsatmap to view our coverage map and for complete details. KVH provides no guarantees of satellite coverage or availability.

*KVH is the world's No. 1 maritime VSAT supplier as measured by vessels equipped with mini-VSAT Broadband service, according to Comsys, March 2015, and Euroconsult, March 2014.



KVH Industries A/S
EMEA Headquarters
Kokkedal, Denmark
Tel: +45.45.160.180 Fax: +45.45.160.181
Email: info@emea.kvh.com

KVH Industries, Inc.
World Headquarters
Middletown, RI U.S.A.
Tel: +1.401.847.3327 Fax: +1.401.849.0045
Email: info@kvh.com

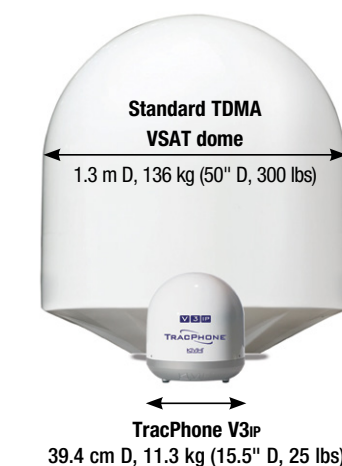
KVH Industries Pte Ltd.
Asia-Pacific Headquarters
Singapore
Tel: +65.6513.0290 Fax: +65.6472.3469
Email: info@apac.kvh.com

System Diagram



Integrated CommBox Modem (ICM) –

Streamlined belowdecks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, ArcLight spread spectrum modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.



95% smaller in volume than standard TDMA VSAT antennas and the world's smallest maritime VSAT, TracPhone V3IP is easier and less expensive to install.