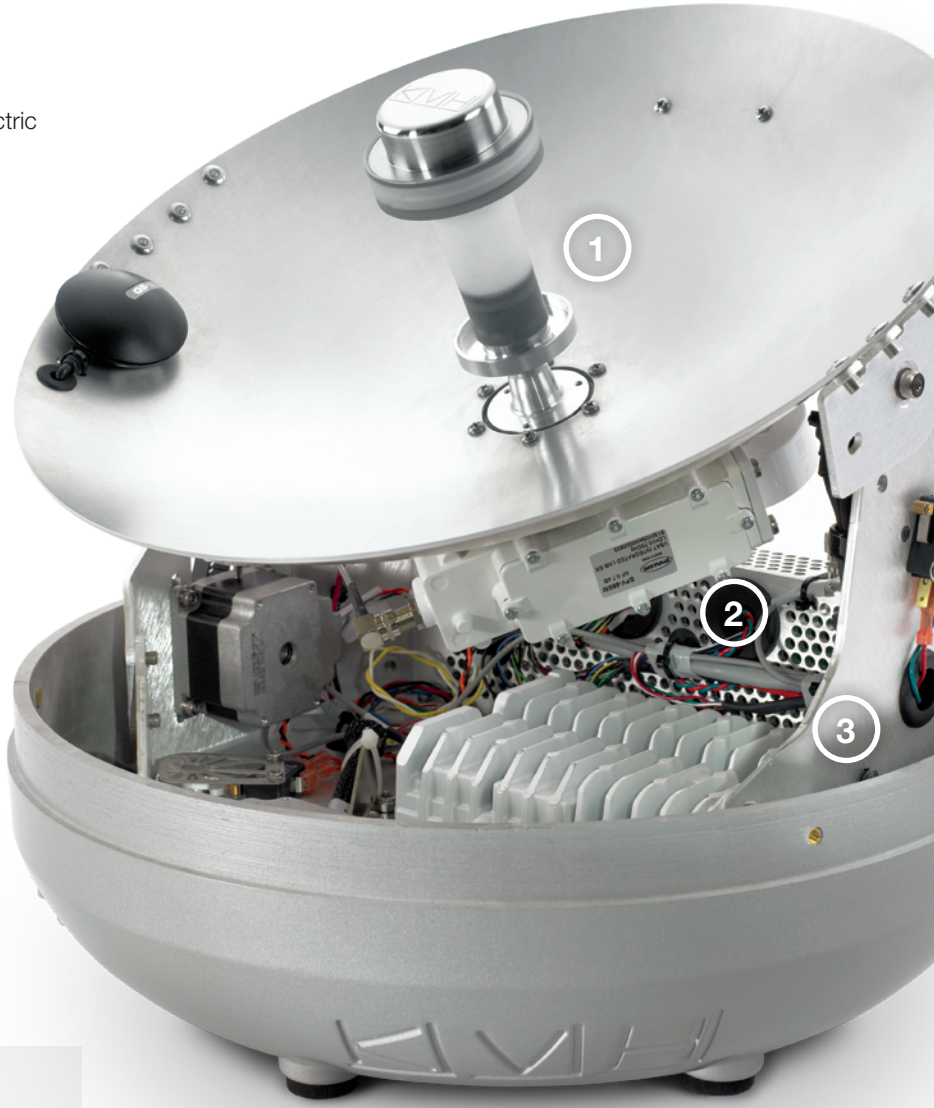
Product Specifications

TracPhone V3IP
Small antenna, big performance

The ultra-compact, fully enclosed, TracPhone® V3IP provides always-on broadband data connections, an integrated voice line, worldwide coverage from the mini-VSAT Broadband℠ 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 **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.

TracPhone V3IP with mini-VSAT Broadband Service

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
Abovedecks 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: -30°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 1.7mm/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
Belowdecks 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, 250W 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/MSRP (USD)	01-0335-11/$11,995

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.
[1]Published data speeds are maximum speeds and may vary in different regions and under different conditions.
[2]Optional Belowdecks Mounting Case (Part Number 72-0368) available for vessels without a rack.
[3]Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

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.

TracPhone V3IP
39.4 cm D, 11.3 kg (15.5" D, 25 lbs)

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.

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 NSR's Maritime SATCOM Markets, 4th Edition, June 2016, and the COMSYS Maritime VSAT Report, 4th Edition, March 2015.

ISO 9001

KVH
www.kvh.com

KVHI NASDAQ LISTED

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

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