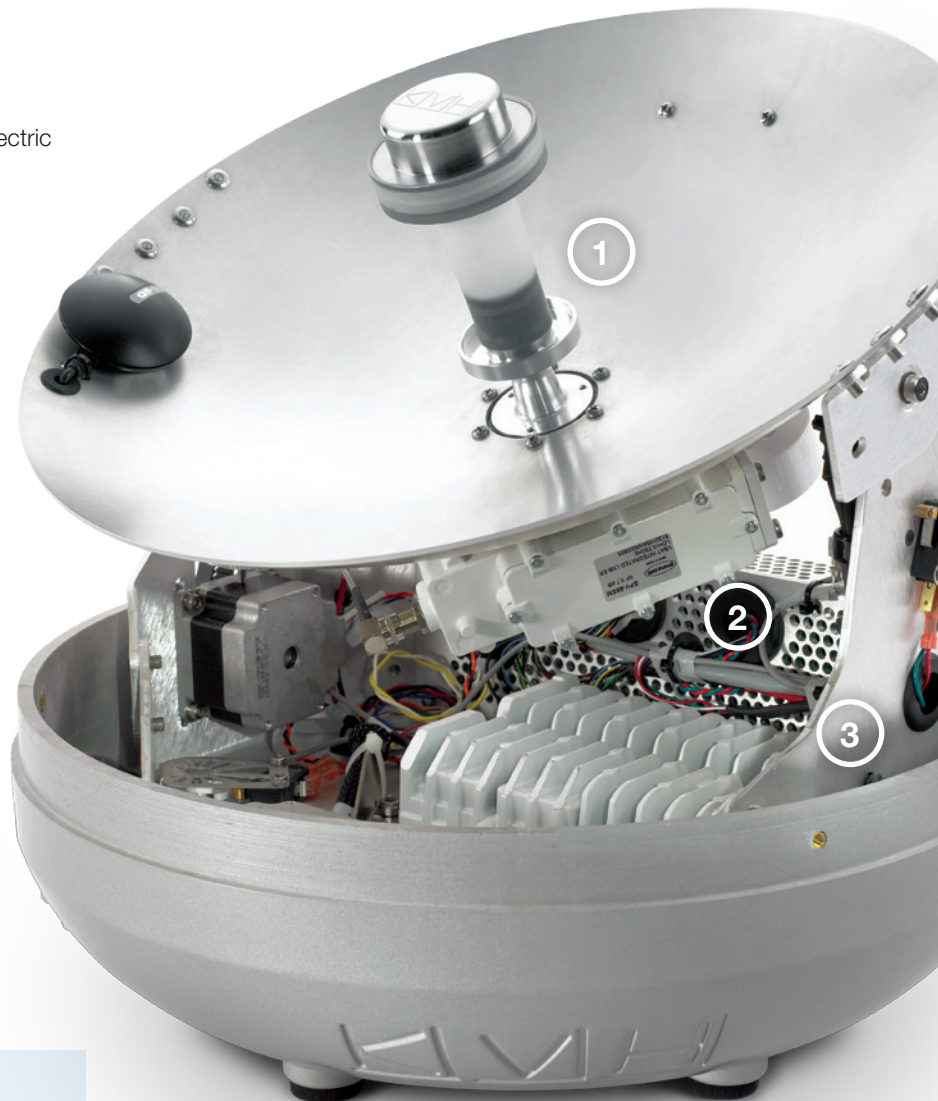KVH® INDUSTRIES
MINI-VSAT BROADBAND

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/$16,995

Meets FCC and $C\epsilon$ 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.

Standard TDMA VSAT dome
1.3 m D, 136 kg (50" D, 300 lbs)

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.

World's No. 1 Maritime VSAT Supplier*

Ku-band Coverage

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.

SS_TPV3IP_Comm_Leisure_Maritime_Land_2.17

www.kvh.com