



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

System Diagram

| 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/MSRP (USD) | 01-0335-11/\$16,995 |



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.

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.



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