



HARDWARE

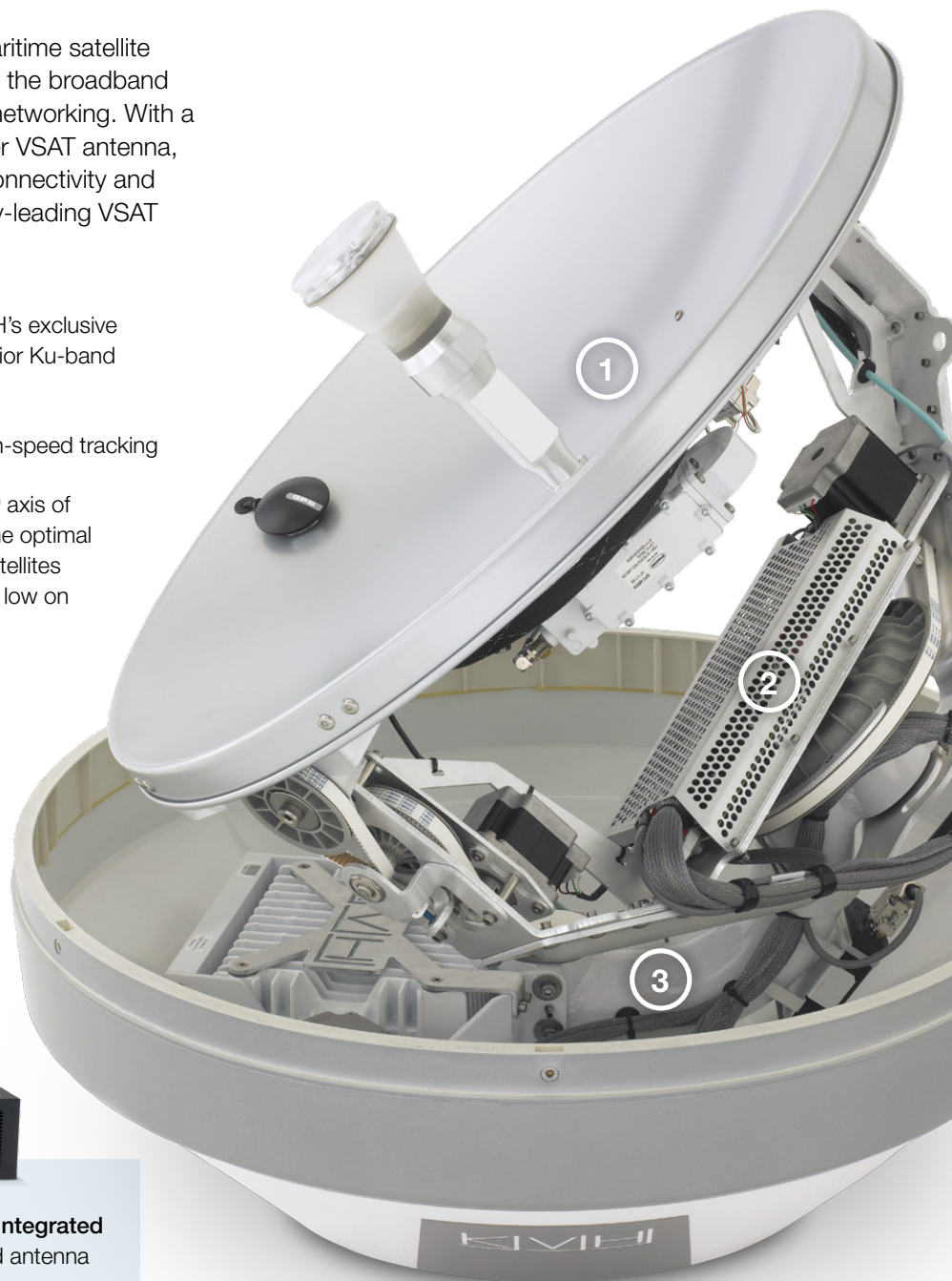
KVH® INDUSTRIES
MINI-VSAT
BROADBAND™

TracPhone V7IP

Enterprise-grade, feature-packed Ku-band maritime VSAT terminal

TracPhone® V7IP is a breakthrough maritime satellite communications product designed for the broadband era and its requirements for onboard networking. With a 3-axis, gyro-stabilized, 60 cm diameter VSAT antenna, TracPhone V7IP provides always-on connectivity and worldwide coverage using the industry-leading VSAT network – mini-VSAT Broadband.™

- 1 Highly tuned antenna dish using KVH's exclusive RingFire™ technology ensures superior Ku-band reception
- 2 Advanced antenna controller for high-speed tracking
- 3 Three-axis pedestal design with a 4th axis of automatic skew adjustment seeks the optimal satellite in the network and tracks satellites directly overhead at the equator and low on the horizon at polar latitudes



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 | 3 Mbps/512 Kbps |
| Abovedecks Equipment | |
| Antenna Dish Diameter | 60 cm (24") |
| Antenna Unit Dimensions/Weight | 66.3 cm D x 79.2 cm h (26.1" D x 31.2" h)/26.1 kg (57.6 lbs) |
| Elevation/Azimuth Range | -24° to +119°/720° rotation |
| Temperature | Operating: -30°C to 55°C (-22°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 |
| Heading Input | NMEA 0183 magnetic or true heading |
| Antenna Unit Power | DC; provided by ACU |
| 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 |
| Remote Support | Integrated GPRS modem for access by KVH technical support |
| 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, 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 | 2 RJ11 ports for VoIP services |
| System Options | |
| CommBox Software Bundles Available | Standard or Enterprise Bundles - see "Featured Options" at kvh.com/V7IP for details |
| Built-in Crew Calling Gateway | Available; contact Airtime Services 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 |
| Iridium Pilot® Secondary System | Available (Part Number 72-0537-01); see "Featured Options" at kvh.com/V7IP 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) | 01-0283-15/\$35,995 |

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.



*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.

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.



66.3 cm D, 26.1 kg (26.1" D, 57.6 lbs)

85% smaller in volume than standard TDMA VSAT antennas, TracPhone V7IP is easier and less expensive to install.

mini-VSAT Broadband Ku-band Coverage

Coverage maps are representative and may change at any time. Data rates may also vary in different regions. For complete details, choose "TracPhone" at www.kvh.com/footprints and click on the mini-VSAT Broadband coverage map. KVH provides no guarantees of satellite coverage or availability.



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