

Connecting your offshore office

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 3-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, Ethernet switch, and Wi-Fi capabilities. 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/1 Mbps
Above-decks 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
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	2 RJ11 ports for VoIP services
System Options	
CommBox Software Bundles Available	Standard or Enterprise Packages - see "Featured Options" at kvh.com/V7IP for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
IP-MobileCast™ Services	Coming soon; contact KVH for details
UCH-250 Fax Server	For enterprise-grade faxing over IP (P/N 19-0520); contact KVH for details
GlobalCare Premium Support Program	Available; see kvh.com/globalcare for details
Iridium Pilot Secondary System	Available (P/N: 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, 1-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.

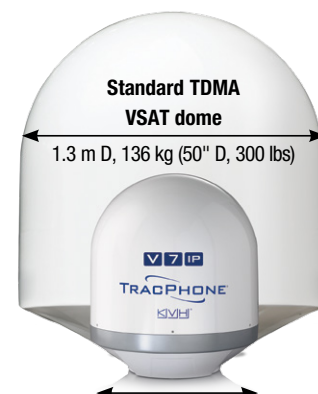
²Optional Belowdecks Mounting Case (KVH Part No. 72-0368) available for vessels without a rack.

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

System Diagram

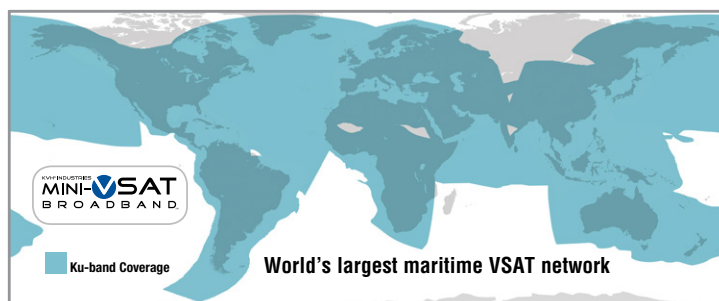


Integrated CommBox Modem (ICM) – Streamlined belowdecks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, ArcLight spread spectrum modem, Voice over IP (VoIP), Ethernet switch, and Wi-Fi capabilities.



TracPhone V7IP dome
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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