

Bringing your  
connected life onboard

# 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 4<sup>th</sup> 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** 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 <sup>1</sup>	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 <sup>2</sup>
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 <sup>3</sup>	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.

<sup>1</sup>Published data speeds are maximum speeds and may vary in different regions and under different conditions.

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

<sup>3</sup>Unless subject to in-country regulations. Restrictions apply. Visit [www.kvh.com/warranty](http://www.kvh.com/warranty) for details.

## System Diagram

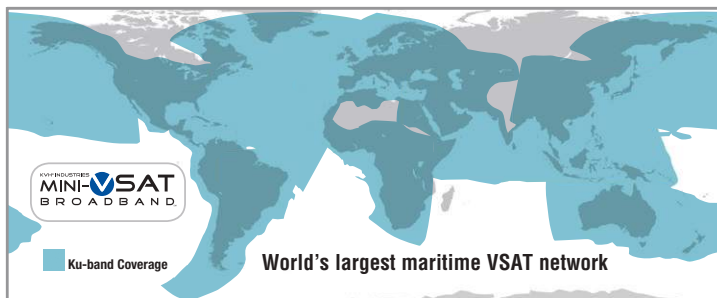


**Integrated CommBox Modem (ICM)** – Streamlined belowdecks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, ArcLight spread spectrum modem, Voice over IP (VoIP), Ethernet switch, and Wi-Fi capabilities.



**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](http://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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