TracPhone® V7
with mini-VSAT Broadband℠ Service

What broadband at sea was meant to be.℠

Key Features and Attributes

- Data rates as fast as 512 Kbps for ship-to-shore uploads and as fast as 2 Mbps for shore-to-ship downloads.
- Integrated Voice over IP (VoIP) phone service tailored to the specific needs of maritime customers and optimised for use with satellite services.
- 85% smaller by volume and 75% lighter than 1-meter VSAT antennas so it's easier and less expensive to install and maintain.
- Spread spectrum satellite technology previously only available to the military and business jets offers seamless regional roaming and is ideal for heavy data use.
- Rugged, commercial-grade design tested under vibration and high/low temperature extremes even more demanding than commercial industry standards.
- Dynamic, gyro-stabilised tracking and military-grade modem for outstanding performance.
- Choice of fixed-rate or per-megabyte subscription plans substantially lower in cost than competing services.

A rugged, versatile, and cost-effective solution for broadband Internet access that leaves other services in its wake!

Make expensive installations, unwieldy hardware, and inconsistent data rates a thing of the past. Choose the KVH TracPhone V7 with mini-VSAT Broadband service and rely on broadband at sea the way it was meant to be!

Equip your vessel and your crew with the data and voice services that help improve performance, increase operational efficiencies, cut costs, and raise crew morale. The proven mini-VSAT Broadband service's spread spectrum satellite technology brings high-quality broadband data connections to sea, along with multiple Voice over IP (VoIP) telephone lines optimised for satellite communications, and service costs as much as 90% more affordable than other services.

The TracPhone V7 with mini-VSAT Broadband service outperforms traditional VSAT in every way.

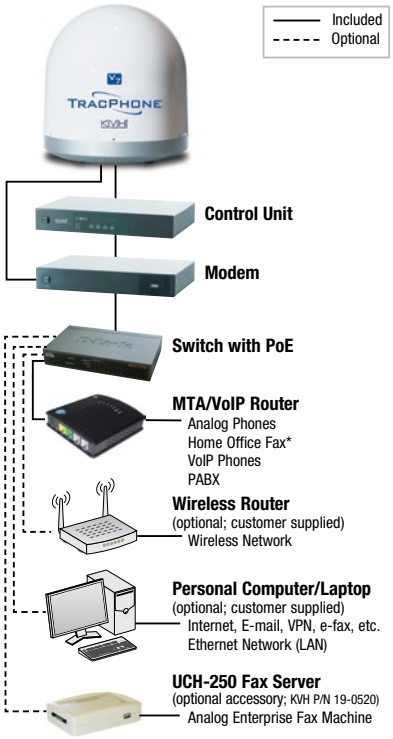
This powerful new service is available via the rugged and reliable 60 cm TracPhone V7 antenna. A fraction of the size of standard 1-meter VSAT systems, the TracPhone V7 and its fully integrated below-decks modem and control unit offer easy connections to shipboard networks, fully stabilised tracking, a remarkable reduction in the cost of hardware and installation, and all with no compromise in performance!

The first fully integrated maritime VSAT system, TracPhone V7 and the mini-VSAT Broadband service work seamlessly by combining innovative and revolutionary technology on three fronts: cutting edge, spread spectrum technology from ViaSat; an expanding Ku-band satellite network; and rugged, fully stabilised antenna technology from KVH Industries. Combined, they are the ideal solution when you need heavy-duty Internet access at sea.

Image Courtesy of Ship Foto

TracPhone V7 Antenna Unit	
RX/TX Frequency Band	11,70 to 12,75 GHz/14,00 to 14,50 GHz
Antenna Element	Gain (RX-band, min): 35,6 dBi
BUC Output Power	4 Watt
Outside Dimensions	69,5 cm H x 66,5 cm D
Elevation Range	5° to 80°
Azimuth Range	720° rotation
Weight	27,2 kgs
Temperature	Operational: -25°C to +55°C; Survival: -35°C to +70°C
Humidity	IEC 60945; 40°C, 95% Humidity (non-condensing)
Rain	Precipitation rate of 100L/Min, w/wind speeds up to 100 knots
CE 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
TracPhone V7 Control Unit (CU) and Modem	
Dimensions (CU & Modem)	3U, 48 cm rack-mountable with optional mounting provisions
Weight (CU & Modem)	8,2 kg
Temperature	Operational: 0°C to +55°C; Survival: -35°C to +70°C
Humidity	IEC 60945; 40°C, 95% Humidity (non-condensing)
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
Input Power	Modem: 90-240 VAC, 50-60 Hz auto switching, 3 A max Control Unit/Antenna: 90-240 VAC, 50-60 Hz, 2 A max
Data Outputs	Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbit/s
IP Routing	TCP/IP Routing and Network Address Translation for the Maritime LAN segment; DHCP support
TracPhone V7 Switch with PoE	
Dimensions	17 cm W x 10 cm D x 2,8 cm H
Weight	0,64 kg
Standards	IEEE: 802.3 Ethernet, 802.3u, 802.3x Flow Control, 802.3af (Power over Data Pairs)
Ports	8-Port Desktop Switch with 4 PoE Ports, up to 15,4 watts max per port, for ports 1-4 only
System Warranty	Standard 2-year parts, 1-year labour limited warranty program. Expanded Service Level Agreements available at attractive prices

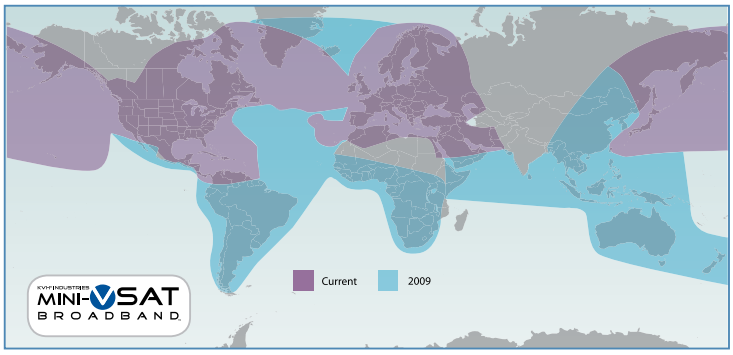
Meets Inmarsat operational, survival, and shock specifications. Meets FCC and CE requirements.



** Faxing over Internet Protocol can be unreliable at times, therefore KVH highly recommends that those customers who demand an enterprise-grade fax solution should take advantage of our optional accessory – the UCH-250 Fax Server.*

The KVH TracPhone V7 is 85% smaller in volume than traditional VSAT antennas, making installation significantly easier and less expensive.

mini-VSAT Broadband Current & Planned Coverage*



** Map depicts KVH's expectations for mini-VSAT Broadband's future coverage; actual coverage and availability of service may vary.*

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 current coverage map. KVH provides no guarantees of satellite coverage or availability.

Dealer/Distributor

DS_TP_V7_Comm_A4_5.09

ISO 9001:2000

www.minivsat.com

KVH LEADER IN MOBILE BROADBAND

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