

# TracPhone® V7

## with mini-VSAT Broadband<sup>SM</sup> Service



What broadband at sea was meant to be.<sup>SM</sup>



### Key Features and Attributes

- Uploads as fast as 512 Kbps ship-to-shore and downloads as fast as 2 Mbps shore-to-ship.
- Two integrated voice lines optimized for use with satellite services.
- 85% smaller by volume and 75% lighter than 1-meter VSAT antennas for easier, less expensive installations.
- Rugged, commercial-grade design with proven performance on demanding commercial vessels.
- Military spread spectrum satellite technology for superior reception throughout the coverage area, even in poor weather conditions.
- Dynamic, gyro-stabilized tracking and military grade modem for outstanding performance.
- Choice of fixed-rate, seasonal or per-megabyte subscription plans.
- Supports integrated data and network management tools powered by the new KVH CommBox™ option.

**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 effectiveness, cut costs, and raise crew morale. Mariners can now enjoy high-quality broadband data connections, two integrated voice lines optimized for satellite communications, and service costs as much as 85% less expensive than other services, all thanks to mini-VSAT Broadband's spread spectrum technology.

**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 24" (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 stabilized 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; a global Ku-band satellite network; and rugged, fully stabilized 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	27.4" H x 26.2" D (69.5 cm H x 66.5 cm D)
Elevation Range	5° to 80°
Azimuth Range	720° rotation
Weight	60 lbs (27.2 kg)
Temperature	Operational: -13°F to 130°F (-25°C to 55°C); Survival: -30°F to 160°F (-35°C to 70°C)
Humidity	IEC 60945; 104°F (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, 18.9" (48 cm) rack-mountable with optional mounting provisions
Weight (CU & Modem)	18 lbs (8.2 kg)
Temperature	Operational: 32°F to 130°F (0°C to 55°C); Survival: -30°F to 160°F (-35°C to 70°C)
Humidity	IEC 60945; 104°F (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 Mbps
IP Routing	TCP/IP Routing and Network Address Translation for the Maritime LAN segment; DHCP support

## TracPhone V7 Ethernet Switch with PoE

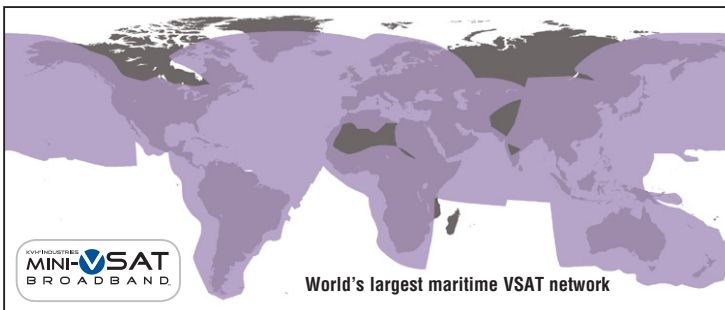
Dimensions	6.7" W x 3.9" D x 1.1" H (17 cm W x 10 cm D x 2.8 cm H)
Weight	1.4 lbs (0.64 kg)
Standards	IEEE: 802.3 Ethernet, 802.3u, 802.3x Flow Control, 802.3af (Power over Data Pairs)
Ports	8-port Desktop Switch with 4 PoE Ports, up to 15.4 watts max per port, for ports 1-4 only

## System Warranty

Comprehensive 2-year parts, 1-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)

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

## mini-VSAT Broadband Coverage\*



World's largest maritime VSAT network

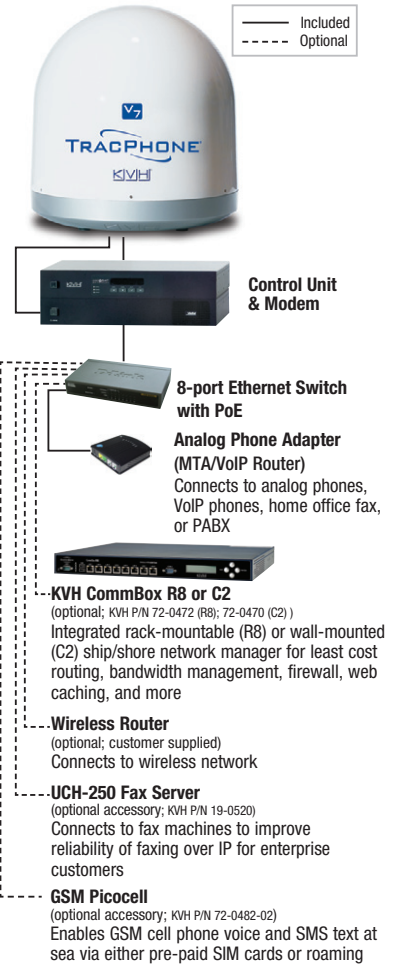
Dealer/Distributor

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



Standard VSAT dome  
48" (1.2 m), 250 lbs (114 kg)

TracPhone V7 dome  
26" (0.66 m), 60 lbs (27.2 kg)

85% smaller in volume than traditional VSAT antennas, TracPhone V7 is easier and less expensive to install.



[www.minivsat.com](http://www.minivsat.com)



[www.kvh.com](http://www.kvh.com)



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TracPhone V3

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[mini-VSAT Broadband Airtime Service](#)

[Inmarsat Airtime by KVH](#)



[Satellite Coverage Maps](#)

[KVH CommBox](#)

Ship/Shore Network Manager

## mini-VSAT Broadband



Attributes	 <a href="#">TracPhone V7</a>	<b>NEW!</b>  <a href="#">TracPhone V3</a>
Service Provider	Use with <b>MINI-VSAT BROADBAND.</b> High-quality, affordable, always-on broadband data connections! <a href="#">more info</a> ▶	Use with <b>MINI-VSAT BROADBAND.</b> High-quality, affordable, always-on broadband data connections! <a href="#">more info</a> ▶
Service	KVH mini-VSAT Broadband Airtime	KVH mini-VSAT Broadband Airtime
Service Coverage Area	Global	Global
Maximum Downlink Rate (Shore-to-Ship)	2 Mbps	2 Mbps
Maximum Uplink Rate (Ship-to-Shore)	512 Kbps	128 Kbps
Billing Method	Speed-based or Metered	
Typical Cost per MB transmitted (see rate sheet)	<\$1.00 USD	\$0.99 USD
Typical Cost per minute for Voice (see rate sheet)	\$0.05 USD (speed-based plans)	\$0.49 USD
Antenna Dome Standard Diameter x Height/Weight	26" x 27"/60 lbs (66 cm x 69 cm/27 kg)	15.5" x 17.5" / 25 lbs (39.4 cm x 44.5 cm / 11.3 kg)
Antenna Dome Alternate Diameter x Height/Weight	35" x 39"/97 lbs (89 cm x 99 cm/44 kg)	19" x 21" / 30 lbs (49 cm x 53 cm / 13.6 kg)
Matching TracVision Antenna Available	Standard - M7, HD7 Alternate - M9	Standard - M3 Alternate - M5
Voice	KVH "Enhanced Voice" Service or Maritime GSM Service <sup>1</sup>	KVH "Enhanced Voice" Service
Fax	Group 3 fax	Group 3 fax
	<a href="#">Find Dealer</a> ▶	<a href="#">Find Dealer</a> ▶

<sup>1</sup> Maritime GSM service is an optional service.

<sup>2</sup> With Maritime GSM service.

<sup>3</sup> Unless subject to in-country regulations.

<sup>4</sup> 1-year parts warranty extension with system purchase and subscription to Inmarsat Airtime by KVH; some restrictions may apply, [click here](#) for details.