

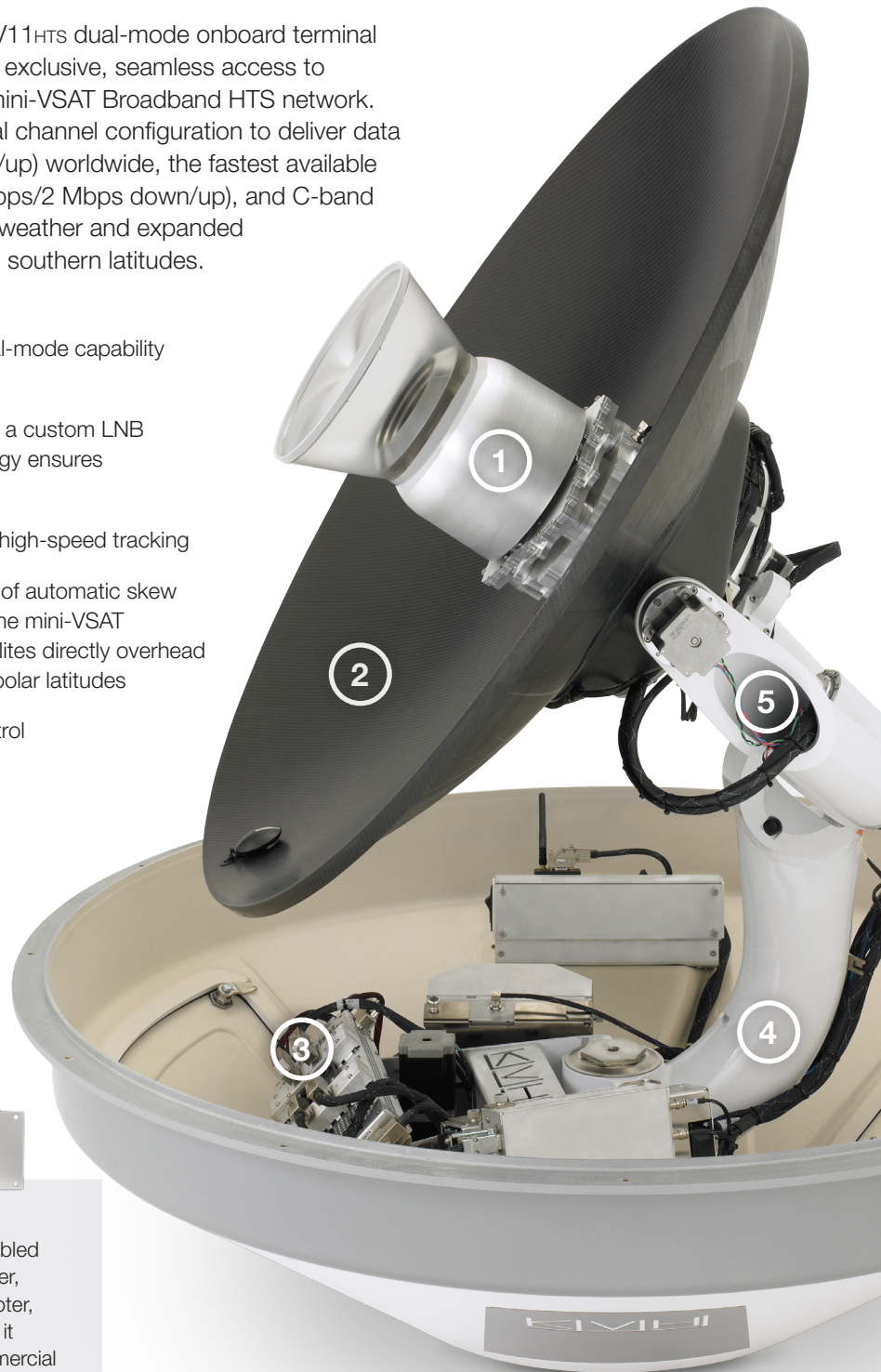


## TracPhone® V11HTS

World's only 1m Ku/C-band maritime VSAT with the fastest data speeds worldwide

The three-axis, gyro-stabilized TracPhone V11HTS dual-mode onboard terminal uses a single, 1.1-meter antenna to deliver exclusive, seamless access to both the C- and Ku-band satellites in the mini-VSAT Broadband HTS network. TracPhone V11HTS offers KVH's unique dual channel configuration to deliver data speeds as fast as 20 Mbps/3 Mbps (down/up) worldwide, the fastest available unlimited data use channel (as fast as 8 Mbps/2 Mbps down/up), and C-band service for enhanced reception in extreme weather and expanded global coverage, including far northern and southern latitudes.

- 1 Unified RF system provides seamless dual-mode capability from one compact antenna
- 2 Highly tuned carbon fiber dish paired with a custom LNB using KVH's exclusive RingFire™ technology ensures superior reception
- 3 Advanced modular antenna controller for high-speed tracking
- 4 Three-axis pedestal design with a 4<sup>th</sup> axis of automatic skew adjustment seeks the optimal satellite in the mini-VSAT Broadband HTS network and tracks satellites directly overhead at the equator and low on the horizon at polar latitudes
- 5 Robotic, direct-drive, beltless motion control



The TracPhone V11HTS includes the 2U-high **Integrated CommBox Modem (ICM)** with IP-enabled antenna control unit, CommBox™ Network Manager, high-throughput modem, Voice over IP (VoIP) adapter, and built-in Wi-Fi and Ethernet switch. In addition, it provides content storage and access for the commercial maritime KVH Link™ content service and seafarer training content along with support for over-the-air system software updates.

# TracPhone V11HTS with mini-VSAT Broadband HTS Service

## System Specifications

Service	
Network	mini-VSAT Broadband HTS Network
Antenna Type	Dual-mode Ku/C-band
Service Coverage Area	Global except Arctic Regions
Maximum Speed Download/Upload <sup>1</sup>	20 Mbps/3 Mbps
Above-decks Equipment	
Antenna Dish Diameter	1.1 m (42.5")
Antenna Unit Dimensions/Weight	1.2 m D x 1.4 m h (48.8" D x 57.3" h)/109 kg (240 lbs)
Elevation/Azimuth Range	-24° to +119°/720° rotation
Temperature	Operating: -30°C to 55°C (-22°F to 131°F) Survival: -30°C to 70°C (-22°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7mm/min, w/wind speeds up to 100 knots
Heading Input	NMEA 0183 magnetic or true heading
Antenna Unit Power	100-240 VAC, 50-60 Hz auto switching, 650W max; provided at the dome
ICM to Antenna Unit Communications	16 Conductor Data Cable
L-band RF Cables (customer supplied)	75 Ohm – F-Connector terminations; For 30-60 m (101-200 ft.) choose LMR-400-75 For 60-100 m (201-325 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, 250W 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 <a href="http://kvh.com/v11hts">kvh.com/v11hts</a> or <a href="http://kvh.com/v11htsleisure">kvh.com/v11htsleisure</a> for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
KVH Link	Available for commercial applications. See <a href="http://kvh.com/link">kvh.com/link</a> for details.
KVH OneCare™ Support Program	Available; see <a href="http://kvh.com/onecare">kvh.com/onecare</a> for details
SAILOR 4300/Iridium Certus® Optional Backup	Available (Part Number 01-0431); see "Optional Backup" on <a href="http://kvh.com/v11hts">kvh.com/v11hts</a> or <a href="http://kvh.com/v11htsleisure">kvh.com/v11htsleisure</a> for details
Complete System	
Certification	Complies with the essential requirements of Radio Equipment Directive 2014/53/EU, which includes the safety objectives set out in Low Voltage Directive 2014/35/EU and an adequate level of electromagnetic compatibility as set out in EMC Directive 2014/30/EU
System Warranty <sup>3</sup>	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN); extended warranty up to 5 years available
Part Number	01-0415-11

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 Below-decks Mounting Case (Part Number 72-0368) available for vessels without a rack.

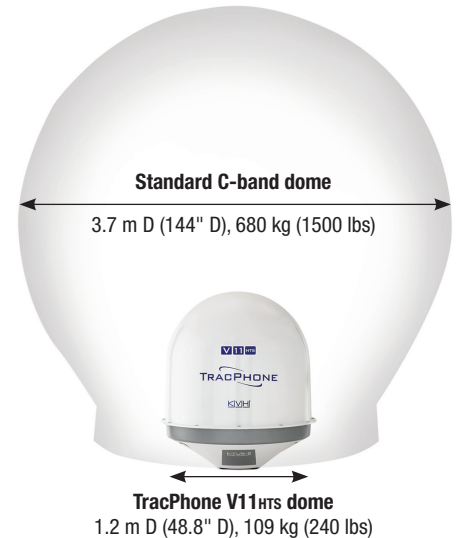
<sup>3</sup>Unless subject to in-country regulations. Restrictions apply. Visit [www.kvh.com/warranty](http://www.kvh.com/warranty) for details.

## System Diagram



### Integrated CommBox Modem (ICM)

Streamlined below-decks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, high-throughput modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.



85% smaller in volume and lighter than standard C-band antennas, TracPhone V11HTS is faster, easier, and less expensive to install.



### EXPANDED GLOBAL COVERAGE!

#### TracPhone V11HTS Coverage Map

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/minivsathtsmaps](http://www.kvh.com/minivsathtsmaps) and click on the mini-VSAT Broadband HTS coverage map. KVH provides no guarantees of satellite coverage or availability.

- Combined Ku- and C-band Coverage
- C-band Coverage Only
- Ku-band Coverage Only

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



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