KVH®

TracPhone® V11HTS

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

The 3-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 4th 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
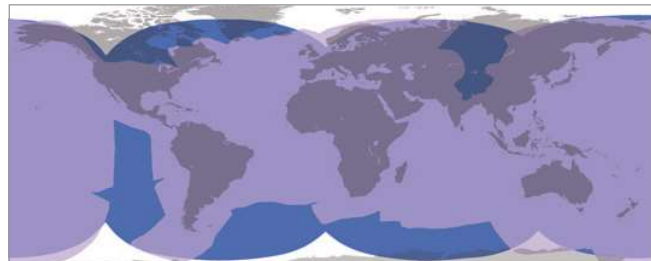
System Specifications

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[1]	20 Mbps/3 Mbps
Abovedecks 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
Belowdecks 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, 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 kvh.com/v11hts or kvh.com/v11htsleisure for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
KVH Link	Available for commercial applications. See kvh.com/link for details.
UCH-250 Fax Server	For enterprise-grade faxing over IP (Part Number 19-0520); contact KVH for details
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details
Iridium Pilot® Secondary System	Available (Part Number 72-0537-01); see "Featured Options" at kvh.com/v11hts or kvh.com/v11htsleisure 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[3]	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/MSRP (USD)	01-0415-11/$49,995

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.
[1]Published data speeds are maximum speeds and may vary in different regions and under different conditions.
[2]Optional Belowdecks Mounting Case (Part Number 72-0368) available for vessels without a rack.
[3]Unless 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, high-throughput modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.

Standard C-band dome
3.7 m D (144" D), 680 kg (1500 lbs)

TracPhone V11HTS dome
1.2 m D (48.8" D), 109 kg (240 lbs)

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/minivsathtsmap and click on the mini-VSAT Broadband HTS coverage map. KVH provides no guarantees of satellite coverage or availability.
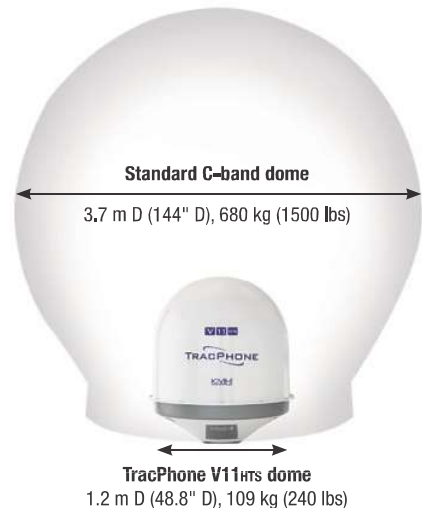
- Combined Ku- and C-band Coverage
- C-band Coverage Only
- Ku-band Coverage Only

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