



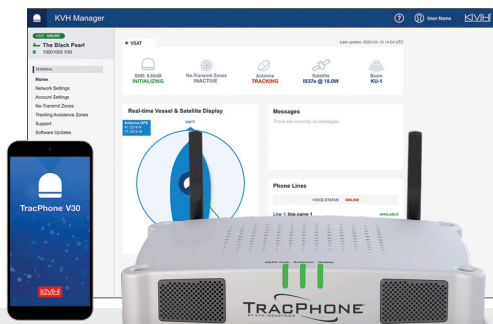
# TracPhone® V30

## Ultra-compact, powerful VSAT for mission-critical SATCOM



TracPhone V30 equips your patrol, special ops, and border security vessels and vehicles with reliable on-the-move connectivity. The ultra-compact, digital terminal offers an easily installed single-cable, DC-powered design with a compact belowdecks unit. Low latency and data speeds as fast as 6 Mbps/2 Mbps (down/up) make it ideal for streaming video, biometric data, and encrypted messaging protocols such as CENTRIXS.

- 1 Ultra-high efficiency antenna with a 37 cm (14.5") diameter dish uses KVH's RingFire™ design and groundbreaking dielectric rod feed to ensure excellent Ku-band reception even in bad weather
- 2 High-performance tracking with 2-axis pedestal design and stabilized skew driven by dual IMUs and high-performance, advanced motor controllers
- 3 Digital antenna design with integrated high-speed modem delivers higher signal strength (no cable loss)
- 4 Commercial-grade rotary joint for unlimited rotation
- 5 Gigabit Ethernet and power over a single coaxial cable for easier and faster installation



The VSAT-Hub is the streamlined all-in-one belowdecks unit that powers the TracPhone V30. This IP-enabled antenna control unit includes versatile network management software, data routing, and firewall security, plus a Voice over IP (VoIP) adapter, built-in Wi-Fi, and an Ethernet switch. Almost 90% smaller by volume than 2U rack-mounted belowdecks units, it's easier to install and ideal for vessels with limited space.

# TracPhone V30 with mini-VSAT Broadband HTS Service

## System Specifications

Service	
Network	mini-VSAT Broadband HTS network
Antenna Type	Ku-band
Service Coverage Area	Seamless worldwide regions
Maximum Speed Download/Upload <sup>1</sup>	as fast as 6 Mbps/2 Mbps (down/up)
Abovedecks Equipment	
Antenna Dish Diameter	36.8 cm (14.5")
Antenna Unit Dimensions/Weight	39.4 cm D x 44.7 cm H (15.5" D x 17.6" H)/10.6 kg (23.4 lbs)
Elevation/Azimuth Range	7.7° to 75°/Unlimited 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/Salt Fog	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7 mm/min, w/wind speeds up to 100 knots
Heading Input	NMEA 0183 and NMEA 2000 magnetic or true heading
Antenna Unit Power	48 VDC input from the VSAT-Hub
VSAT-Hub to Antenna Unit Connection	Single coaxial cable
Belowdecks Equipment – VSAT-Hub	
Dimensions	23.6 cm x 20.5 cm x 4.4 cm (9.34" x 8.05" x 1.73"); will fit in 1U slot
Weight	1.4 kg (3 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -25°C to 70°C (5°F to 158°F)
Input Power	10-30 VDC, 125W max
Data Interfaces	4 Ethernet: Gigabit 1000BASE-T IEEE 802.3; 2.4/5GHz IEEE 802.11ac/a/b/g/n 2x2 MIMO Wi-Fi; USB 3.0 Port
Voice Interfaces	1 RJ11 port for VoIP services
System Options	
KVH OneCare™ Support Program	Available; see <a href="http://kvh.com/onecare">kvh.com/onecare</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 EN62368-1 and in EMC directive EN60945 FCC Part 15, Subpart B, Class A NMEA 2000 Certified RoHS & REACH
System Warranty <sup>2</sup>	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number/MSRP (USD)	01-0432-01

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

## System Diagram



TracPhone V30 Antenna and VSAT-Hub



With an antenna that is 55% smaller in diameter and 75% lighter than that of leading competing 60 cm VSAT systems, the commercial-grade TracPhone V30 offers higher or comparable data speeds, but is more affordable, and easier and simpler to install.

### mini-VSAT Broadband HTS Network Coverage Map

**Ku-band Coverage**

TracPhone V30 has a 2-axis stabilized antenna pedestal design that does not provide coverage in areas where the satellite is directly overhead.

The map depicts KVH's expectations for the mini-VSAT Broadband HTS network's coverage for the TracPhone V30; actual coverage and availability may vary. Data rates may also vary in different regions. Go to [www.kvh.com/v30map](http://www.kvh.com/v30map) to view our global coverage maps for TracPhone V30 metered and unlimited use service.

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**World Headquarters**  
KVH Industries, Inc. · Middletown, RI U.S.A.  
+1.401.847.3327 · [info@kvh.com](mailto:info@kvh.com)

**EMEA Headquarters**  
KVH Industries A/S · Birkerød, Denmark  
+45.45.160.180 · [info@emea.kvh.com](mailto:info@emea.kvh.com)

**Asia-Pacific Headquarters**  
KVH Industries Pte Ltd. · Singapore  
+65.6513.0290 · [info@apac.kvh.com](mailto:info@apac.kvh.com)

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

