

TracPhone® V3IP



with mini-VSAT BroadbandSM Service

The Next Generation in SATCOM-on-the-Move, Here Today.



Key Features

- World's smallest mobile VSAT system, made possible by ViaSat ArcLight® spread spectrum satellite technology
- Streamlined Integrated CommBox™ Modem (ICM) includes IP-enabled antenna control unit, built-in CommBox Network Manager, ArcLight spread spectrum modem, VoIP, Ethernet switch, and Wi-Fi capabilities, all in one 2U box
- Download speeds as fast as 2 Mbps with rates as low as \$0.49 per MB
- Integrated voice service tailored to the specific needs of first responders and other government vehicles and optimized for use with satellite services
- Crystal-clear phone calls worldwide at only \$0.49 per minute
- Full in-motion tracking for turnkey broadband connections whether on the move or parked
- Rugged, high-performance design tested under vibration and high/low temperature extremes
- Superior, gyro-stabilized tracking and rugged COTS construction for outstanding performance

Global, Reliable, Small, Fast, and Affordable – The Superior Choice for SATCOM-on-the-Move



Rugged and reliable, KVH's complete SATCOM solution keeps you in touch when landlines are out and cell towers are down or unavailable.

In high-stress, fast-paced situations when real-time communications are vital, the revolutionary TracPhone V3IP is the perfect solution to equip your vehicles and forces with voice and broadband data (IP) services. At 39 cm (15.5 inches) in diameter, it's the world's smallest SATCOM-on-the-Move (SOTM) VSAT antenna and offers airtime rates 1/10th the cost of Inmarsat.

This powerful end-to-end system is available exclusively from KVH Industries, the leader in mobile broadband solutions. KVH is your sole point of contact for this all-in-one solution so you always know who to turn to for acquisition, activation, and support.

Breakthrough Design: Integrated CommBox Modem (ICM)

TracPhone V3IP features the innovative Integrated CommBox Modem (ICM), a streamlined unit with IP-enabled antenna control, built-in CommBox Network Manager, powerful ArcLight spread spectrum military-grade modem, Ethernet switch, VoIP, and Wi-Fi capabilities, all in one compact 2U box – for reliability and ease of installation and use. Now, controlling access to satellite Internet, e-mail, and phone is achieved with built-in network management hardware that can quickly be activated simply by purchasing the software bundle that meets your needs.



The ultra-compact, gyro-stabilized TracPhone V3IP can be mounted on any all-terrain vehicle and provides full in-motion tracking for broadband connections during all stop-and-go action.

Rugged and Compact SOTM from KVH

Mobile communications centers and vehicles for emergency response, border patrol, and reconnaissance now have an ultra-compact, proven solution for staying in touch. The rugged TracPhone V3IP antenna with mini-VSAT Broadband service offers the fast, reliable service you need in critical situations, allowing you to stay up to date even when other phone and Internet connections are down.

With the remarkable TracPhone V3IP, you no longer have to park and deploy a satellite dish. Teamed with the mini-VSAT Broadband network, TracPhone V3IP offers true broadband connections on the move, keeps you in constant communication, and saves valuable minutes when time and reliable information are crucial. Make sure your command vehicles can stay mobile and in touch via voice and Internet while protecting the border, assessing a disaster site, or in combat by choosing the KVH TracPhone V3IP with mini-VSAT Broadband.



**SATCOM-on-the-Move is now
global, reliable, small, fast and affordable...all at once.**

TracPhone V3IP Antenna System Specifications

System Diagram

Service	
Network	mini-VSAT Broadband
Antenna Type	Ku-band
Service Coverage Area	Seamless Worldwide Regions
Maximum Speed Download/Upload ¹	2 Mbps/128 Kbps
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) /11.3 kg (25 lbs)
Elevation/Azimuth Range	7.5° to 75°/720° rotation
Temperature	Operating: -25°C to 55°C (-13°F to 131°F); Survival: -35°C to 70°C (-31°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 100L/min, w/wind speeds up to 100 knots
Antenna Unit Power	DC; provided by ICM
ICM to Antenna Unit Communications	14 Conductor Data Cable
L-band RF Cables (customer supplied)	For 5-15 m (16-49 ft.) choose RG-11 For >15-30 m (49- 98 ft.) choose LMR-400-75 For >30-45 m (98-148 ft.) choose LMR-600-75
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, 1.6 A max
Data Interfaces	4 Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbps; 1 Wi-Fi 802.11
CommBox Software Bundles Available	Standard or Enterprise Packages - see "Featured Options" at kvh.com/V3IPlandmil for details
Voice Interfaces	2 RJ11 ports for VoIP services
Complete System	
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
System Warranty ³	Comprehensive 2-year parts, 1-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number/MSRP (USD)	01-0335-11/\$16,995



Integrated CommBox Modem (ICM) – Streamlined belowdecks unit includes IP-enabled antenna control unit, built-in CommBox Network Manager, ArcLight spread spectrum modem, Voice over IP (VoIP), Ethernet switch, and Wi-Fi capabilities.



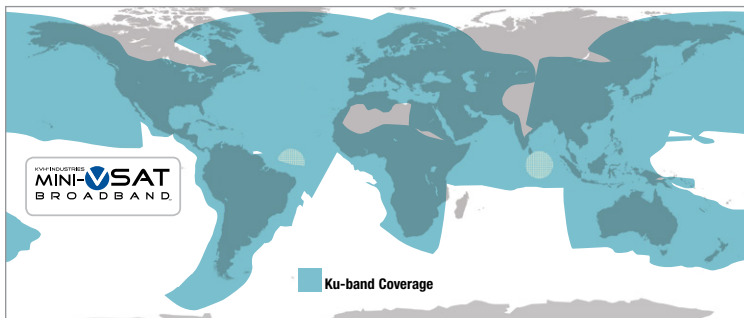
Standard TDMA VSAT dome
1.3 m D, 136 kg (50" D, 300 lbs)

TracPhone V3IP
39.4 cm D, 11.3 kg (15.5" D, 25 lbs)

95% smaller in volume than standard TDMA VSAT antennas, TracPhone V3IP is easier and less expensive to install.

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications
¹Published data speeds are maximum speeds and may vary in different regions and under different conditions.
²Optional Belowdecks Mounting Case (KVH Part No. 72-0368) available.
³Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

mini-VSAT Broadband Ku-band Coverage*



* The TracPhone V3IP is a stabilized antenna that does not provide coverage in areas where the satellite is directly overhead as shown in the hatched areas above. The map depicts KVH's expectations for mini-VSAT Broadband's coverage; actual coverage and availability may vary. Data rates may also vary in different regions. Go to www.kvh.com/minivsatmap to view our coverage map and for complete details. KVH provides no guarantees of satellite coverage or availability.

Dealer/Distributor

