Product Specifications

TracPhone V11IP
One antenna, global coverage

The 3-axis, gyro-stabilized TracPhone® V11IP dual-mode onboard terminal uses a single, small, 1.1-meter antenna to seamlessly access both the C- and Ku-band satellites of the mini-VSAT Broadband℠ network for fully global coverage. Unlike competing L-band and Ku-band solutions that require two terminals joined with a router, the TracPhone V11IP is a unified solution: one antenna seamlessly providing both C- and Ku-band services and integrated to one streamlined belowdecks unit.

1. Unified C/Ku-band RF system provides 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 network and tracks satellites directly overhead at the equator and low on the horizon at polar latitudes
5. Robotic, direct-drive, beltless motion control

All VIP-series products include KVH's **Integrated CommBox Modem (ICM)** with IP-enabled antenna control unit, CommBox™ Network Manager, ArcLight® spread spectrum modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch. Systems also feature a browser-based user interface and convenient iPhone® app for system status, updates, and support.

TracPhone V11IP with mini-VSAT Broadband Service

System Specifications

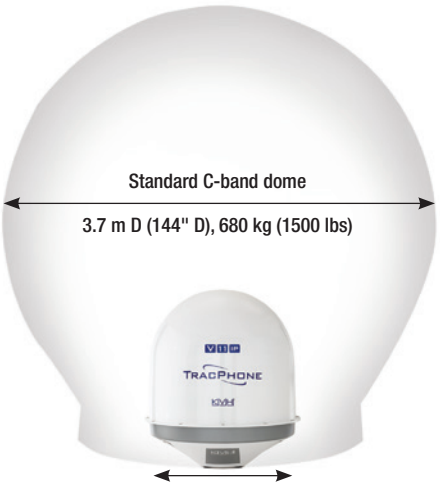
Service	
Network	mini-VSAT Broadband
Antenna Type	Dual-mode C/Ku-band
Service Coverage Area	Global except Arctic Regions
Maximum Speed Download/Upload[1]	4 Mbps/1 Mbps
Abovedecks Equipment	
Antenna Dish Diameter	1.1 m (42.5")
Antenna Unit Dimensions/Weight	1.2 m D x 1.4 m h (48.8" D x 57.3" h)/109 kg (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 5.8-30.5 m (16-98 ft.) choose LMR-400-75 For >30.5-91.4 m (98-295 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/v11ip for details
Built-in Crew Calling Gateway	Available; contact Airtime Services for details
IP-MobileCast™ Services	Available; see minivsat.com/one for commercial applications and minivsat.com/vipyachts for leisure applications
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/v11ip for details
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, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number/MSRP (USD)	01-0350-11/$74,995

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, ArcLight spread spectrum modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.



TracPhone V11IP dome
1.2 m D (48.8" D), 109 kg (240 lbs)

85% smaller in volume and lighter than standard C-band antennas, TracPhone V11IP is faster, easier, and less expensive to install.

mini-VSAT Broadband C/Ku-band Coverage

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 and click on the mini-VSAT Broadband coverage map. KVH provides no guarantees of satellite coverage or availability.

Ku-band Coverage with C-band Overlay Coverage
Ku-band Coverage
C-band Coverage

*KVH is the world's No. 1 maritime VSAT supplier as measured by vessels equipped with mini-VSAT Broadband service, according to NSR's Maritime SATCOM Markets, 4th Edition, June 2016, and the COMSYS Maritime VSAT Report, 4th Edition, March 2015.

ISO 9001

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