TracPhone® V3IP/Iridium Pilot®
System Bundle

KVH®

Global satellite and phone for boats & yachts

Key Features and Attributes

- TracPhone V3IP – world's smallest maritime VSAT system

- Integrated CommBox™ Modem (ICM) – breakthrough all-in-one belowdecks unit for TracPhone V3IP

- TracPhone V3IP data speeds – up to 2 Mbps down, 128 Kbps up using mini-VSAT Broadband℠ service – No. 1 in marine VSAT[1]

- Iridium Pilot – compact, fully global system with pole-to-pole coverage

- Iridium Pilot data speeds – up to 134 Kbps down and up using Iridium OpenPort® broadband service

System Bundle includes both **TracPhone V3IP and Iridium Pilot antenna systems** preconfigured with least cost routing

Two Lease and Airtime*Options for the System Bundle:

1) 1000 MB data/month – $1,495/month
   $1.49/MB overage
   $0.49/min. phone calls worldwide

2) 250 MB data/month – $995/month
   $1.99/MB overage
   $0.49/min. phone calls worldwide

* 36-month lease and airtime contract. Data is for both services combined. Hardware bundle also available for purchase; see Purchase Options on back for details.

Ultra-compact, fast, reliable TracPhone V3IP paired with Iridium Pilot for pole-to-pole global service

At 39 cm (15.5") in diameter, TracPhone V3IP is the world's smallest marine VSAT. Advanced ArcLight® spread spectrum technology enables the V3IP's extremely compact design, while still providing outstanding coverage and speed with reliable Internet, voice, and email communications. TracPhone V3IP is designed exclusively for the mini-VSAT Broadband service – No. 1 in marine VSAT[1]. This powerful bundle combines the KVH TracPhone V3IP with an Iridium Pilot to deliver pole-to-pole coverage so boat/yacht owners and guests can stay in touch with friends and family wherever they go.

Making onboard life easier with the ICM

Designed for the broadband era and its requirements for onboard networking, the TracPhone V3IP features KVH's Integrated CommBox Modem (ICM) – an all-in-one streamlined belowdecks unit combining an IP-enabled antenna control unit, CommBox Network Manager, an ArcLight spread spectrum modem, Voice over IP (VoIP), Ethernet switch, and Wi-Fi capabilities. At just 2U, the ICM ensures fast and easy installations and the most reliable performance.

Preconfiguration ensures easy and seamless switching

With the TracPhone V3IP/Iridium Pilot System Bundle, the ICM is preconfigured by KVH to ensure seamless integration, so your boat/yacht will have satellite Internet, email, and phone access wherever you go. The TracPhone V3IP and mini-VSAT Broadband service is always the primary network. If the service becomes unavailable for any reason, onboard LAN and Wi-Fi networks will switch to Iridium OpenPort broadband service, and will automatically switch back to mini-VSAT Broadband service as soon as it becomes available again. Both the mini-VSAT Broadband and Iridium OpenPort airtime services are billed through KVH for your convenience.

Affordable solution for broadband connectivity

Boats as small as 30 feet can operate more efficiently thanks to TracPhone V3IP's fast, reliable connectivity. Benefits include over-the-air software updates and a user-friendly interface that enables remote diagnostics and monitoring. Plus, the easy-to-use tools in the myKVH™ portal allow you to create unique networks for crew and guest access to email and the Internet as well as to allocate data to individual users. With the CommBox Network Manager built into TracPhone V3IP's streamlined ICM, boat owners and yacht captains have an advanced network management tool for managing the increasing use of broadband onboard. Simply activate the CommBox software and get access to bandwidth management, web caching, compression, content filtering, and much more.

[1]KVH is the world's No. 1 maritime VSAT supplier as measured by vessels equipped with mini-VSAT Broadband service, according to Comsys, March 2015 and Euroconsult, March 2014.

TracPhone V3IP/Iridium Pilot System Bundle Specifications

System Diagram

Primary System

Secondary System

V3IP Antenna

Iridium Pilot Antenna

Integrated CommBox Modem (ICM)

Iridium Router

Service (Primary – TracPhone V3IP)	
Network	mini-VSAT Broadband
Antenna Type	Ku-band
Service Coverage Area	Seamless worldwide regions (keyholes at equator)
Max. Speed Download/Upload[1]	2 Mbps/128 Kbps

Service (Secondary – Iridium Pilot)	
Network	Iridium OpenPort broadband
Antenna Type	L-band
Service Coverage Area	Global, pole-to-pole
Max. Speed Download/Upload[1]	134 Kbps bidirectional

Abovedecks Equipment (Primary – TracPhone V3IP)	
Antenna Dish Diameter	36.8 cm (14.5")
Antenna Unit Dimensions	39.4 cm (D) x 44.7 cm (h) (15.5" (D) x 17.6" (h))
Weight	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 Comms	14 Conductor Data Cable
L-band RF Cables *(customer supplied)*	For 5-15 m (16-49 ft.) choose RG-11 For >16-30 m (50-98 ft.) choose LMR-400-75 For >31-45 m (99-148 ft.) choose LMR-600-75

Abovedecks Equipment (Secondary – Iridium Pilot)	
Antenna Unit Dimensions	57 cm (D) x 23 cm (h) (22.4" (D) x 9" (h))
Weight	11 kg (24.3 lbs)

Belowdecks Equipment (V3IP Integrated CommBox Modem (ICM))	
Dimensions	42.55 cm (l) x 41.43 cm (w) x 2U (h) (16.75" (l) x 16.31" (w) x 2U (h)); 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; 3 USB ports
Voice Interfaces	1 RJ11 port for VoIP service

Belowdecks Equipment (Iridium Router)	
Dimensions	25 cm (l) x 19 cm (w) x 5.5 cm (h) 9.8" (l) x 7.5" (w) x 2.2" (h)
Weight	1.4 kg (3.0 lbs)

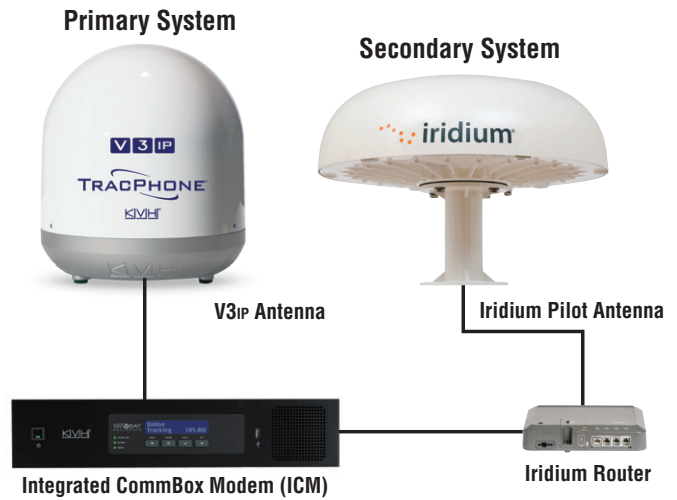| Complete System	
Certification *(TracPhone V3IP)*	Complies with the specifications of EC directive 1999/5/EC Radio & Telecommunications Terminal Equipment (R&TTE), per compliance with EC directive 2006/95/EC, EMC directive 2004/108/EC and IEC 301-427
Warranty[3]	2-year parts, 2-year labor (TracPhone V3IP) 5-year on equipment (Iridium Pilot)
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details
Part No.	01-0357-01

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.

[1] Published data rates are rate plan maximums and may vary in different regions and under different conditions. Subscribers will typically experience speeds ship-to-shore that are 70-80% of the published data rates.
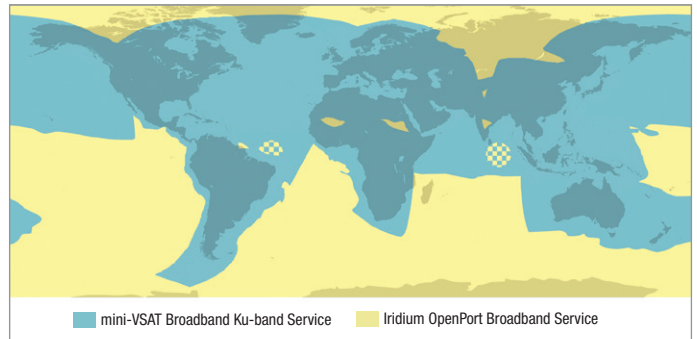
[2] Optional Belowdecks Mounting Case (72-0368) available for vessels without a rack.

[3] Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

mini-VSAT Broadband Ku-band Coverage* & Iridium OpenPort L-band Coverage

mini-VSAT Broadband Ku-band Service   Iridium OpenPort Broadband Service

* *The TracPhone V3IP is a 2-axis, 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 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.*

Purchase Options – TracPhone V3IP/Iridium Pilot System Bundle

Systems & Airtime Service Lease Bundles
Includes both TracPhone V3IP and Iridium Pilot antenna systems plus desired data package/month (mini-VSAT Broadband and Iridium OpenPort combined), $0.49/minute phone calls worldwide (both services), and ICM preconfigured for least cost routing. (Requires 36-month lease & airtime contract.)

250 MB/Month Package	$995/month; $1.99 MB overage
1000 MB/Month Package	$1,495/month; $1.49 MB overage

System Hardware Only
Includes both TracPhone V3IP and Iridium Pilot antenna systems and ICM preconfigured for least cost routing. See mini-VSAT Broadband Activation Order for airtime rate plans.

MSRP	Contact your KVH dealer/distributor.

Dealer/Distributor