TracVision® TV-series

Sophisticated technology that's simple to use – for the best TV entertainment onboard

Welcome Aboard the TracVision TV-series

Whether you're relaxing at anchor or cruising offshore in demanding sea conditions, this powerful family of fully stabilised marine satellite systems provides superior performance, including HDTV, for satellite TV entertainment. Designed, engineered, and manufactured by the experts at KVH, the leader in marine satellite television for 20 years, this new line enables you and everyone onboard to enjoy hundreds of digital TV and movie channels, hours of commercial-free, CD-quality music via regional satellite services around the globe, and the pleasure of your favourite television programming while relaxing on your boat or yacht.

Unsurpassed viewing experience onboard

The award-winning TracVision TV-series includes TracVision TV1, TV3, TV5, TV6, and TV8 – a full range of systems offering sizes, features, and options for every size boat. The TracVision TV-series brings the television content you love onboard in the best way possible – with sophisticated technology that's simple to use.

Cover photo (bottom left): image courtesy of Sea Ray

"My new TracVision TV3 is receiving beautifully and it is rock solid. Coming from a competitor's product, this is a refreshing experience for me. I also like the excellent user interface, too!"

Ethan Dow, owner
Issues² – 28-foot Carolina Classic
Swampscott, MA

Sophisticated technology....

- Advanced inertial-based stabilised search enables fast satellite acquisition
- High-performance tracking ensures crystal-clear television picture even in heavy seas
- Exclusive RingFire™ antenna technology provides stronger signals, wider geographic coverage, and better reception
- DVB®-S2 technology ensures compatibility with modern Ku-band television satellite services worldwide
- Single Wire Multiswitch (SWM-8) integrated into below-decks TV-Hub supports up to eight DIRECTV® receivers
- IP AutoSwitch option for multiple receiver installations delivers simple automatic satellite switching on DiSEqC™-compatible services

...that's simple to install & use

- Sleek IP-enabled TV-Hub delivers easy setup and operation
- Single coaxial cable for power, data, and video enables easy installations and retrofits
- User-friendly interface that you can access from any mobile device or laptop provides system information at your fingertips

NMEA®

Product Award Winner
Satellite Television
1998-2015

TracVision – the award-winning choice for satellite television performance on the boat

For 18 consecutive years, TracVision has won the highest honour in marine electronics: the annual product award given by the National Marine Electronics Association. This industry group is made up of more than 600 companies, including manufacturers, dealers, and boatbuilders – in other words, the people who really know marine electronics. KVH is the satellite system supplier for industry-leading boatbuilders such as Sea Ray, Sunseeker, Viking Yachts, and Westport. TracVision remains the satellite TV system brand that the world's top marine electronics dealers turn to year after year.

TracVision TV-Hub: the centre of it all

The innovative TracVision TV-Hub integrates the advanced functionality of the TV-series system into one compact, stylish unit, providing features that make the TV-series very easy to use:

- IP-enabled antenna control unit with Ethernet connection and built-in Wi-Fi interface allows access to system information from any Wi-Fi-enabled device
- Automatic satellite switching makes it easy to access all programming and local channels wherever you travel, and with whatever service you choose
- Built-in DiSEqC protocol supports linear TV services around the world
- Built-in SWM-compatible technology supports DIRECTV programming
- Built-in DISH Pro output supports DISH Network® and Bell TV service
- Two output ports provide the flexibility to use legacy receivers
- Status indicators quickly convey information about antenna state and power
- 10-30 VDC input to the TV-Hub provides power to the antenna
- NMEA 0183/2000 inputs for heading and GPS enable fastest satellite acquisition

IP AutoSwitch option enables simple Master Receiver selection from any mobile device or computer for automatic switching in multiple receiver installations.

Wizard for easy installation and setup.

Everything you need, at your fingertips

The TracVision TV-Hub brings unparalleled ease to every aspect of controlling your satellite TV system with a state-of-the-art web interface designed for optimal viewing on your smartphone, tablet, smart TV, or computer:

- Wizard for easy installation and setup
- Future-proof design with remote software and satellite library update feature
- Fast setup for integration with an onboard network
- Advanced automatic or manual satellite switching capabilities at your fingertips
- Extensive built-in worldwide satellite library
- Fast troubleshooting with antenna status and advanced system diagnostics
- IP AutoSwitch option for multiple receiver installations delivers simple automatic switching on DiSEqC-compatible services so you can easily access the channels and programs you want to watch – even when they are not on the same satellite

TV-Hub user interface gives you control at your fingertips on any mobile device or computer.

TracVision TV1

High efficiency in an ultra-compact antenna

This ultra-compact 32 cm (12.5 in) antenna is perfect for coastal cruising or sailboats. A single-cable design and easy-to-use installation wizard and system control make this antenna a breeze to install and use.

Highlights and Features

- Supports DIRECTV, DISH Network, and Bell TV in North America, and select linear Ku-band services in Europe, Thailand, and New Zealand†
- HDTV compatible (Ku-band services only)
- Single coaxial cable for power, data, and video for easy installations and retrofits
- Advanced inertial-based stabilised search for fast satellite acquisition
- High-performance tracking with advanced algorithms for crystal-clear television picture in heavy seas
- Built-in worldwide satellite library
- IP AutoSwitch option for multiple receiver installations delivers simple auto-switching on North American DiSEqC-compatible services (DISH Network and Bell TV)
- DVB-S2 compatible

† Services may require different LNB types. Limited coverage in certain regions in North America, Europe, Thailand, and New Zealand; see www.kvh.com/tvfootprints for details.

Image courtesy of Sea Ray

TV-Hub user interface gives you control at your fingertips on any mobile device or computer.

TracVision TV3

Small, powerful antenna with versatile options

With a single-cable installation, the TracVision TV3 is a great choice for powerboats or sailboats frequenting cruising areas located as far as 100 nautical miles offshore. A compact 37 cm (14.5 in) antenna and convenient mobile device interface make installation a snap. The TV3 is the perfect solution for single- or multiple-receiver installations.

Highlights and Features

- Supports DIRECTV, DISH Network, Bell TV, and circular and linear Ku-band services worldwide†
- HDTV compatible (Ku-band services only)
- Single coaxial cable for power, data, and video for easy installations and retrofits
- Advanced inertial-based stabilised search for fast satellite acquisition
- High-performance tracking with advanced algorithms for crystal-clear television picture in heavy seas
- Built-in worldwide satellite library
- Single and dual linear LNB options
- IP AutoSwitch option for multiple receiver installations delivers simple auto-switching on DiSEqC-compatible services
- DVB-S2 compatible

† Services may require different LNB types. See www.kvh.com/tvfootprints for details.

Image courtesy of Viking Yachts

TV-Hub user interface gives you control at your fingertips on any mobile device or computer.

TracVision TV5

Combining big performance with compact size

With 30% greater reception than other 45 cm (18 in) systems, you'll enjoy satellite TV reception where few others can provide it. TracVision TV5 offers outstanding high-performance tracking and reception, as well as compatibility with the most popular satellite service providers worldwide. This rugged system is ideal for sportfishing boats or boats venturing offshore or to the islands.

Highlights and Features

- Supports DIRECTV U.S. and Latin America, DISH Network, Bell TV, and circular and linear Ku-band services worldwide†
- HDTV compatible (Ku-band services only)
- Single coaxial cable for power, data, and video for easy installations and retrofits
- Advanced inertial-based stabilised search for fast satellite acquisition
- High-performance tracking with advanced algorithms for crystal-clear television picture in heavy seas
- Built-in worldwide satellite library
- All system configurations support multiple receiver installations
- Low elevation angle for better tracking in northern latitudes
- Linear Universal Quad LNB configuration offers built-in GPS and autoskew option
- Tri-Americas® LNB option for seamless TV reception throughout the Americas
- IP AutoSwitch option for multiple receiver installations delivers simple auto-switching on DiSEqC-compatible services
- DVB-S2 compatible

† Services may require different LNB types. See www.kvh.com/tvfootprints for details.

TV-Hub user interface gives you control at your fingertips on any mobile device or computer.

TracVision TV6

High performance when bluewater is on the horizon

The new TracVision TV6 provides commercial-grade performance, rock-steady satellite reception, and an extended coverage area that is perfectly suited for boats heading offshore for short or long voyages. The 60 cm (24 in) antenna features easy single-cable installation.

Highlights and Features

- Supports DIRECTV U.S. and Latin America, DISH Network, Bell TV, and circular and linear Ku-band services worldwide†
- HDTV compatible (Ku-band services only)
- Single coaxial cable for power, data, and video for easy installations and retrofits
- Advanced inertial-based stabilised search for fast satellite acquisition
- High-performance tracking with advanced algorithms for crystal-clear television picture in heavy seas
- Built-in worldwide satellite library
- All system configurations support multiple receiver installations
- Linear Universal Quad LNB configuration offers built-in GPS and autoskew
- Tri-Americas LNB option for seamless TV reception throughout the Americas
- IP AutoSwitch option for multiple receiver installations delivers simple auto-switching on DiSEqC-compatible services
- DVB-S2 compatible

† Services may require different LNB types. See www.kvh.com/tvfootprints for details.

TV-Hub user interface gives you control at your fingertips on any mobile device or computer.

TracVision TV8

Excellent reception for extended cruising offshore

With the powerful and sleek TracVision TV8, you can count on high-performance tracking and excellent reception (including HDTV programming) no matter where your favourite cruising grounds are found. The 81 cm (32 inch) diameter antenna features an expanded coverage footprint so you can enjoy hundreds of channels of uninterrupted, crystal-clear digital entertainment with top-quality sound.

Highlights and Features

- Supports DIRECTV U.S. and Latin America, DISH Network, Bell TV, and circular and linear Ku-band services worldwide†
- HDTV compatible (Ku-band services only)
- Single coaxial cable for power, data, and video for easy installations and retrofits
- Advanced inertial-based stabilised search for fast satellite acquisition
- High-performance tracking with advanced algorithms for crystal-clear television picture in heavy seas
- Built-in worldwide satellite library
- All system configurations support multiple receiver installations
- All system configurations offer built-in GPS; Linear Universal Quad LNB configuration offers built-in autoskew
- Tri-Americas LNB option for seamless TV reception throughout the Americas
- IP AutoSwitch option for multiple receiver installations delivers simple auto-switching on DiSEqC-compatible services
- DVB-S2 compatible

Image courtesy of Neil Rabinowitz Photography

† Services may require different LNB types. See www.kvh.com/tvfootprints for details.

TracVision TV-series Technical Specifications

For TracVision **HD-series**, visit **kvh.com/hd**

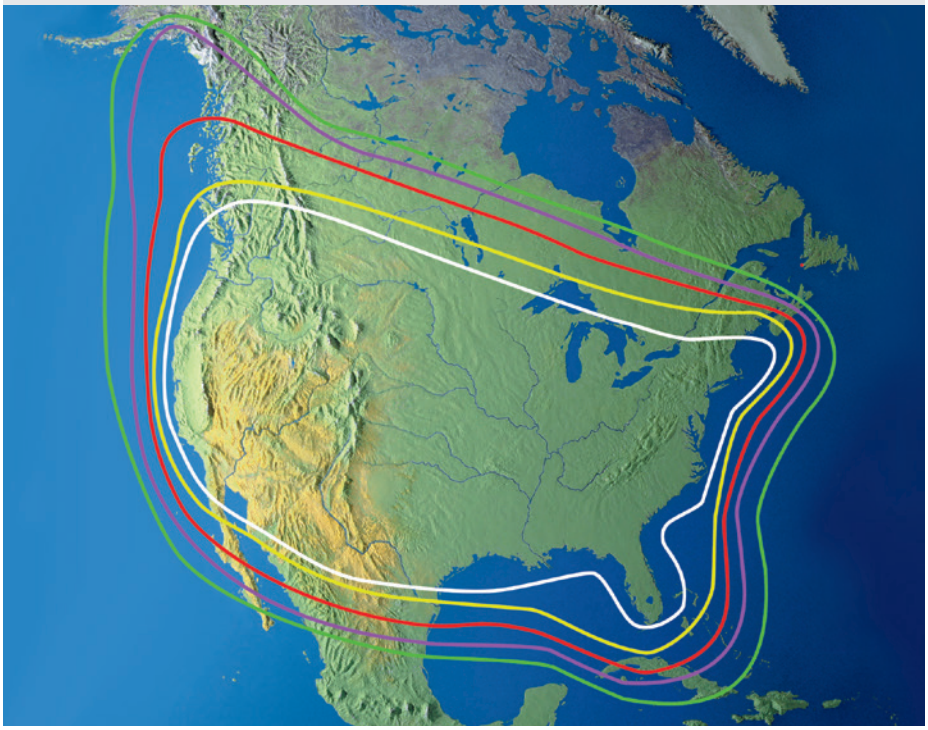
	TracVision TV1	TracVision TV3	TracVision TV5	TracVision TV6	TracVision TV8
Satellite Coverage Regions[1]	Select Regions Worldwide[2 & 3]	Worldwide[3]	Worldwide[3]	Worldwide[3]	Worldwide[3]
Antenna Dish Diameter	32 cm (12.5")	37 cm (14.5")	45 cm (18")	60 cm (24")	81.3 cm (32")
Antenna Unit Diameter x Height **Antenna Unit Weight**	34.3 cm x 33.7 cm (13.5" x 13.3") 3.6 kg (8 lbs)	39.4 cm x 44.7 cm (15.5" x 17.6") 7.7 kg (17 lbs) Linear Universal Dual: 9.1 kg (20 lbs)	48.8 cm x 53.2 cm (19.2" x 20.9") 11.3 kg (25 lbs)	66.6 cm x 69.9 cm (26.2" x 27.4") 24.2 kg (53.4 lbs)	88.9 cm x 99.9 cm (35.0" x 39.3") 40.0 kg (88.2 lbs)
Minimum EIRP (Ku-band)[4]	51 dBW	50 dBW	48 dBW	46 dBW	43 dBW
Elevation/Azimuth Range	+20° to +70°/Continuous	+10° to +80°/Continuous Linear Universal Dual: +10° to +80°/720°	+0° to +80°/720°	+10° to +80°/720°	-15° to +80°/720°
Linear Skew Control	Manual	Manual	Manual or Automatic	Automatic	Automatic
LNB Types Available (polarisation/output)	Linear Universal Single[5] Circular	Linear Universal Single[5] Linear Universal Dual[6] Circular	Linear Universal Quad DIRECTV L.A. Circular Circular Tri-Americas Circular[7]	Linear Universal Quad DIRECTV L.A. Circular Circular Tri-Americas Circular[7]	Linear Universal Quad DIRECTV L.A. Circular Circular Tri-Americas Circular[7]
Tracking Technology	High performance	High performance	High performance	High performance	High performance
User Interface	TV-Hub web interface	TV-Hub web interface	TV-Hub web interface	TV-Hub web interface	TV-Hub web interface
Tri-Americas LNB Compatible	No	No	Yes	Yes	Yes
System Power	10-30 VDC 42 watts nominal	10-30 VDC 42 watts nominal	10-30 VDC 53 watts nominal	10-30 VDC 53 watts nominal	10-30 VDC 60 watts nominal
Cabling **(Consult price list for alternative cabling options)**	1 Power/RF cable: RG6 15 m (50 ft) (single cable) included	1 Power/RF cable: RG6 15 m (50 ft) (single cable) included[8]	1 Power/RF cable: RG6 30 m (100 ft) (single cable) included[8]	1 Power/RF cable: RG6 30 m (100 ft) (single cable) included[8]	1 Power/RF cable: RG11 30 m (100 ft) (single cable) included[8]
Antenna Operating Temperature	-25°C to +55°C (-13°F to +131°F)	-25°C to +55°C (-13°F to +131°F)	-25°C to +55°C (-13°F to +131°F)	-25°C to +55°C (-13°F to +131°F)	-25°C to +55°C (-13°F to +131°F)
Antenna Survival Temperature	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)	-25°C to +70°C (-13°F to +158°F)
Warranty[9]	2 year parts, 1 year labour	2 year parts, 1 year labour	2 year parts, 1 year labour	2 year parts, 1 year labour	2 year parts, 1 year labour
EMEA/Asia[10], SKY Brasil, and SKY Mexico System Configuration KVH Part Number[11]	Linear Universal Single: 01-0366-02	Linear Universal Single: 01-0368-02 Linear Universal Dual: 01-0368-09	Linear Universal Quad Autoskew: 01-0364-34 Linear Universal Quad Manual: 01-0364-04	Linear Universal Quad Autoskew: 01-0369-02	Linear Universal Quad Autoskew: 01-0386-04
Latin American (L.A.) System Configuration KVH Part Number[11]	N/A	N/A	DIRECTV L.A. Circular: 01-0364-03	DIRECTV L.A. Circular: 01-0369-03	Galaxy Circular Dual: 01-0386-03
North American System Configuration KVH Part Number	Circular: 01-0366-07	Circular: 01-0368-07	Circular: 01-0364-07 Tri-Americas Circular: 01-0364-06	Circular: 01-0369-07 Tri-Americas Circular: 01-0369-06	Circular: 01-0386-07 Tri-Americas Circular: 01-0386-06

1 For details, visit www.kvh.com/tvfootprints.
2 Limited coverage in certain regions in North America, Europe, Thailand, and New Zealand; see www.kvh.com/tvfootprint for details.
3 Requires region-specific receiver and service. Receiver not included.
4 Minimum EIRP values are average approximate figures that may vary according to actual transponder frequency and location.
5 Single-receiver system.
6 Two-receiver system.
7 Tri-Americas Circular is a dual-band LNB for both DIRECTV L.A. and DIRECTV U.S. services.
8 Some system configurations require additional RF cables; contact KVH or your dealer/distributor for details.
9 Unless subject to in-country regulations.
10 Some services in Asia require unique circular LNBs to work; contact KVH or your dealer/distributor for details.
11 Contact KVH or your dealer/distributor for details and pricing on system configurations other than N. American.

Worldwide Ku-band Coverage[12]

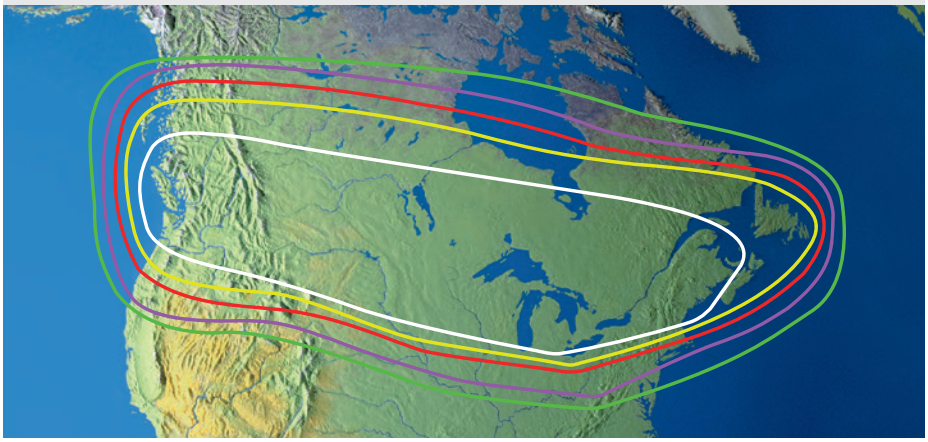
Maps represent general coverage areas only. For details on specific service coverage areas,

North America[13]

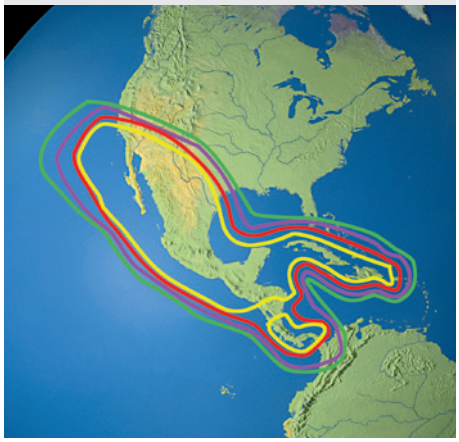


Tri-Americas[14]

Canada[15]



Mexico & Central America



TracVision TV8
43 dBW EIRP

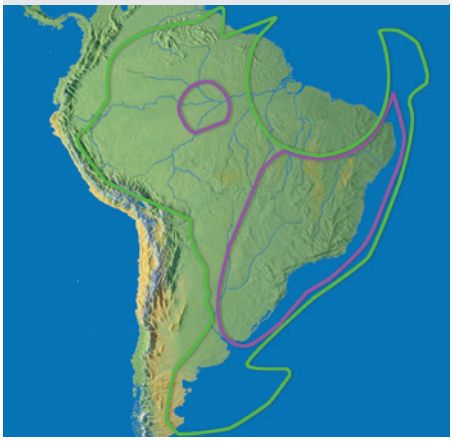
TracVision TV6
46 dBW EIRP

TracVision TV5
48 dBW EIRP

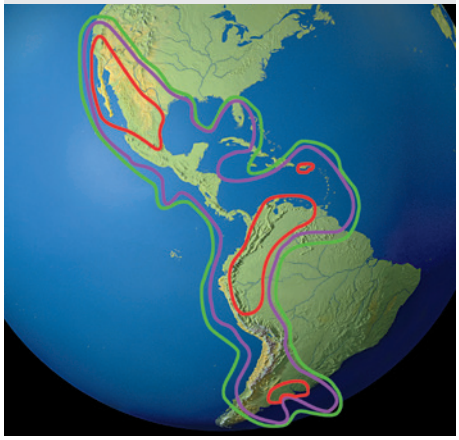
TracVision TV3
50 dBW EIRP

TracVision TV1
51 dBW EIRP

South America



Central & South America



[12] These maps are representative. For detailed information about the programming available from different service providers and coverage as it pertains to specific satellite services, please visit www.kvh.com/tvfootprints. KVH Industries does not have control over the programming or operation of the satellites or services that are covered in this document. The coverage maps for these satellites are provided as reference only and may change in the future or could be impacted by weather conditions. KVH provides no guarantees of satellite coverage, satellite availability, programming available on any specific satellite service, or compatibility of the TracVision system with new satellites that may be launched in the future. Please note that all Minimum EIRP values are average approximate figures that may vary according to actual transponder frequency and location.

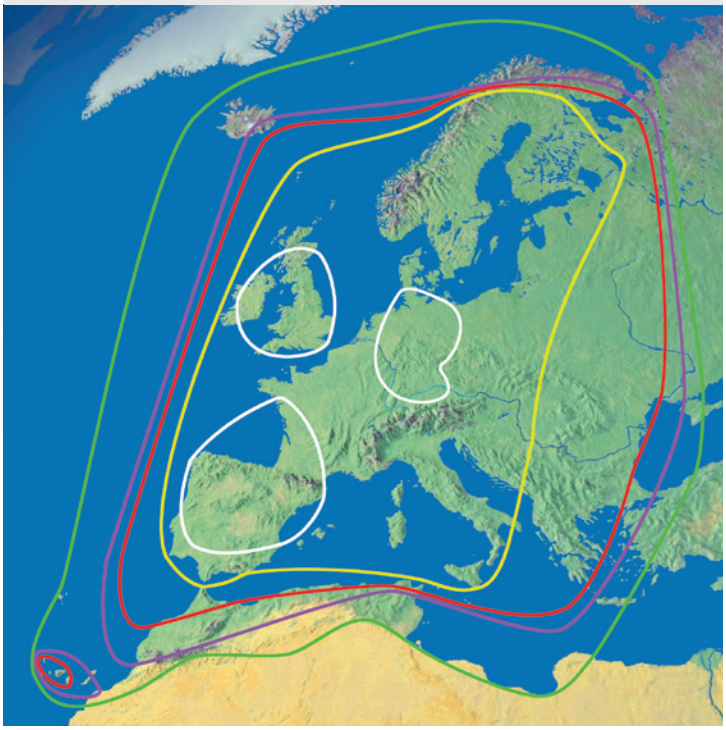
[13] This map is for reference only. Please visit kvh.com/tvfootprints for specific coverage maps for DIRECTV and DISH Network.

[14] Optional system configuration, combining North American and Latin American coverage footprints. Contact KVH for details and pricing.

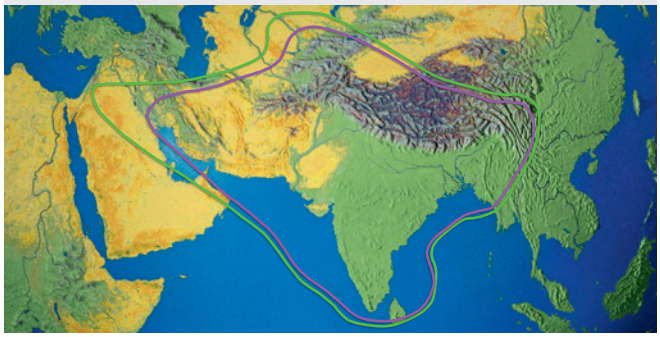
[15] Coverage for TV1 is for satellite 91W only.

visit: **kvh.com/tvfootprints**

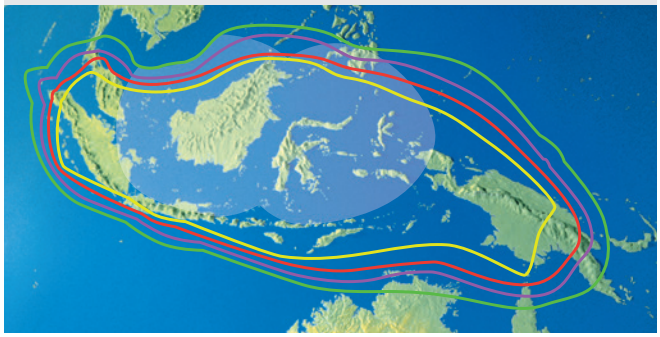
Europe[16]



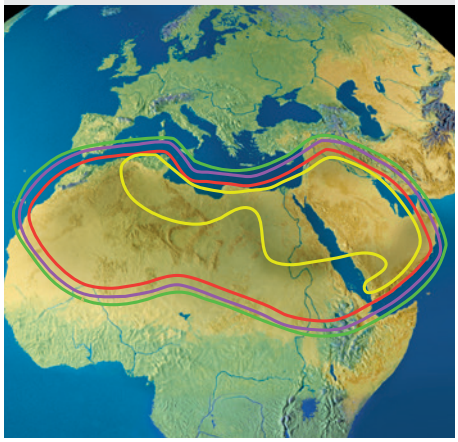
Southwest Asia



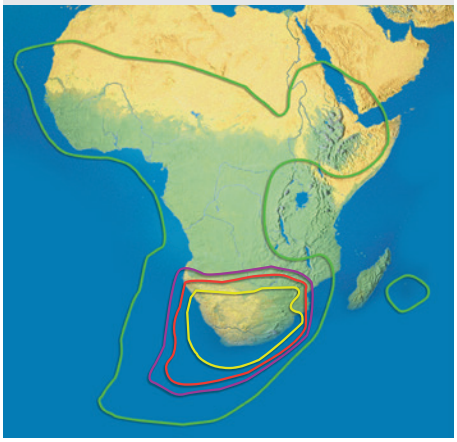
Southeast Asia[17]



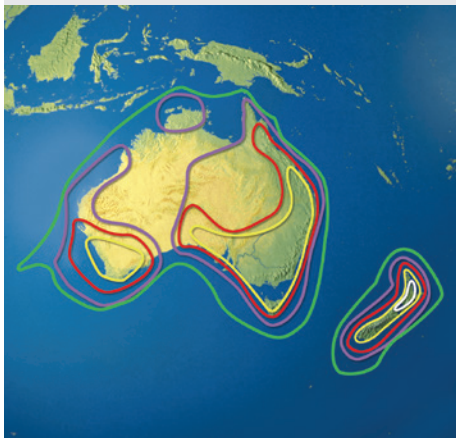
Middle East



Africa

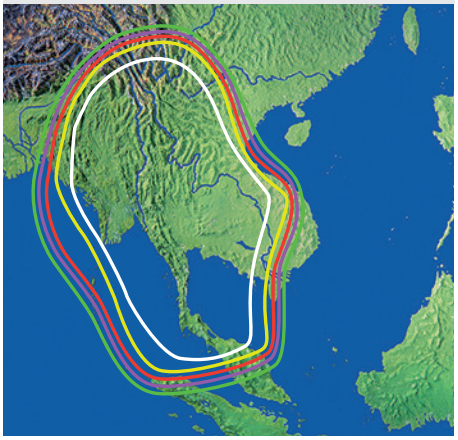


Australia & New Zealand



China

Thailand



Malaysia

[16] European coverage for TV1 represents specific beams, please visit kvh.com/tvfootprints for details.

[17] Light shaded area in map indicates an area where satellite elevation has exceeded the elevation limits of certain antenna systems. See the specific service coverage maps at kvh.com/tvfootprintsasia for details.

Image courtesy of Sea Ray

TracVision HD-series for the best HDTV at sea

Designed for today's powerful yachts and advanced satellite technology, the TracVision HD-series provides full support for Ka/Ku-band HDTV entertainment with sleek, easy-to-use systems. TracVision HD11, a truly global 1 metre (41.5 in) antenna, and TracVision HD7, a 60 cm (24 in) antenna, both offer an unmatched suite of groundbreaking technologies. In addition to 4-axis stabilised tracking, the HD-series features KVH's exclusive TriAD™ technology for receiving broadcasts from three DIRECTV satellites at once, in both Ka-band and Ku-band frequencies. The result is a TV watching experience just like you enjoy at home! These signals are concentrated by the tuned subreflector before reaching KVH's unique tri-rod dielectric feed, resulting in outstanding reception even as you cruise offshore.

With the TracVision HD-series, everyone onboard can watch whatever they want, on whatever TV they want, whenever they want, in sharp HD resolution – with full DVR support. Plus, setup and maintenance are a snap with KVH's IP-enabled antenna control unit and TracVision iOS apps.

For complete information on KVH's TracVision HD-series, request a brochure or visit ***kvh.com/hd.***

TracPhone® VIP-series, the perfect match

To access broadband services while on your boat, complement your satellite television system with fast and reliable satellite Internet and VoIP calling service. KVH's TracPhone VIP-series offers a full range of advanced satellite communications systems designed exclusively for KVH's mini-VSAT Broadband℠ network, the world's No. 1 maritime VSAT service, according to independent industry reports. With affordable data plans and unmatched transparency and control, mini-VSAT Broadband provides fast data speeds, crystal-clear voice, and global coverage, all delivered via compact onboard terminals designed to complement your TracVision system. Stay connected with family, friends, and business interests during every voyage and enjoy even more time onboard your boat as a result!

For the ultimate boating experience, choose a dual-dome installation with matching TracVision satellite television and TracPhone satellite communications systems – the mark of the perfectly outfitted boat.

For additional information on KVH's mini-VSAT Broadband service and TracPhone VIP-series, request a brochure or visit ***www.miniVSAT.com/vipyachts****.*

KVH – Leader in Mobile Broadband

KVH is the world's leading provider of mobile satellite communications and television antenna systems. Serving the marine industry since 1982, KVH's fully stabilised antennas offer unmatched performance during all sea and weather conditions.

KVH antenna systems undergo stringent quality checks, including accelerated life cycle testing, military specification environmental tests, shock and vibration testing to Inmarsat specifications, and in-depth functional evaluations.

The results speak for themselves. In any harbour, anywhere around the world, you'll see KVH's distinctive antennas with gray baseplates. With more than 200,000 mobile satellite antennas fielded worldwide, KVH has supplied more in-motion satellite communications and TV systems for mobile applications than any other manufacturer. When you choose KVH, you choose the best!

Solid Warranty & Technical Support

Wherever you travel, you will receive outstanding support and service through KVH's certified quality, product, and customer support programs. This support includes KVH's 24/7 online web support system; a responsive international KVH support team; an extensive network of authorised dealers/distributors around the globe; the exclusive KVH Certified Support Network (CSN); and a standard 2-year parts/1-year labour warranty.*

** Unless subject to in-country regulations.*

Dealer/Distributor

QUALITY CERTIFIED SYSTEM ISO 9001

KVH
www.kvh.com

KVH 200,000+ Antennas Sold

KVHI NASDAQ LISTED

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Email: info@emea.kvh.com

KVH Industries, Inc.
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Tel: +1.401.847.3327 Fax: +1.401.849.0045
Email: info@kvh.com

KVH Industries Pte Ltd.
Asia-Pacific Headquarters
Singapore
Tel: +65.6513.0290 Fax: +65.6472.3469
Email: info@apac.kvh.com

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Protected by U.S. patents 7,443,355; 8,723,747; 8,497,810; D625299; and 9,281,561 B2. Additional patents pending.

BR_TV-series_1-8_Leisure_Brochure_KE_4.16