# TracVision® TV-series

## Sophisticated, rugged technology designed to bring the proven best TV entertainment onboard

*Whether your ships are at anchor or underway in demanding sea conditions, KVH's fully stabilized marine satellite systems deliver the best TV entertainment, including HDTV, to your crew.*

### Superior Performance

- Advanced search technology for the fastest satellite acquisition
- High-performance tracking and reception, even in heavy seas
- Exclusive RingFire™ antenna technology for wider geographic coverage and better reception
- Single coaxial cable for easy installations

### Unsurpassed Viewing Experience

- Fully compatible with Ku-band standard and HD satellite TV services worldwide
- Delivers hundreds of digital TV, movie, and music channels
- Automatic satellite switching

### Advanced, Easy Management

- Sleek IP-enabled TV-Hub for easy setup and operation
- User-friendly interface provides access from any mobile device or laptop
- Supports DIRECTV® U.S. & PanAmericana, DISH Network® U.S. & Mexico, Bell TV, SKY Mexico, and Ku-band services worldwide

# TracVision TV-series Technical Specifications

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

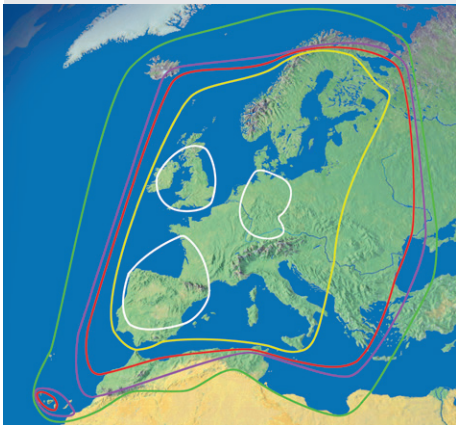
| | TracVision TV1 | TracVision TV3 | TracVision TV5 | TracVision TV6 | TracVision TV8 |
|---|---|---|---|---|---|
| **Satellite Coverage Regions**[1] | Select Regions Worldwide[2 & 3] | Worldwide[3] | Worldwide[3] | Worldwide[3] | Worldwide[3] |
| **Antenna Dish Diameter** | 32 cm (12.5") | 37 cm (14.5") | 45 cm (18") | 60 cm (24") | 81.3 cm (32") |
| **Antenna Unit Diameter x Height**<br>**Antenna Unit Weight** | 34.3 cm x 33.7 cm (13.5" x 13.3")<br>3.6 kg (8 lbs) | 39.4 cm x 44.7 cm (15.5" x 17.6")<br>7.7 kg (17 lbs)<br>Linear Universal Dual: 9.1 kg (20 lbs) | 48.8 cm x 53.2 cm (19.2" x 20.9")<br>11.3 kg (25 lbs) | 66.6 cm x 69.9 cm (26.2" x 27.4")<br>24.2 kg (53.4 lbs) | 88.9 cm x 99.9 cm (35.0" x 39.3")<br>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<br>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 (polarization/output)** | Linear Universal Single[5] Circular | Linear Universal Single[5]<br>Linear Universal Dual[6] Circular | Linear Universal Quad DIRECTV P.A. Circular<br>Circular<br>Tri-Americas® Circular[7] | Linear Universal Quad DIRECTV P.A. Circular<br>Circular<br>Tri-Americas Circular[7] | Linear Universal Quad DIRECTV P.A. Circular<br>Circular<br>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<br>42 watts nominal | 10-30 VDC<br>42 watts nominal | 10-30 VDC<br>53 watts nominal | 10-30 VDC<br>53 watts nominal | 10-30 VDC<br>60 watts nominal |
| **Cabling**<br>**(Consult price list for alternative cabling options)** | 1 Power/RF cable:<br>RG6 15 m (50 ft)<br>(single cable) included | 1 Power/RF cable:<br>RG6 15 m (50 ft)<br>(single cable) included[8] | 1 Power/RF cable:<br>RG6 30 m (100 ft)<br>(single cable) included[8] | 1 Power/RF cable:<br>RG6 30 m (100 ft)<br>(single cable) included[8] | 1 Power/RF cable:<br>RG11 30 m (100 ft)<br>(single cable) included[8] |
| **Antenna Operating Temperature** | -25°C to +55°C<br>(-13°F to +131°F) | -25°C to +55°C<br>(-13°F to +131°F) | -25°C to +55°C<br>(-13°F to +131°F) | -25°C to +55°C<br>(-13°F to +131°F) | -25°C to +55°C<br>(-13°F to +131°F) |
| **Antenna Survival Temperature** | -25°C to +70°C<br>(-13°F to +158°F) | -25°C to +70°C<br>(-13°F to +158°F) | -25°C to +70°C<br>(-13°F to +158°F) | -25°C to +70°C<br>(-13°F to +158°F) | -25°C to +70°C<br>(-13°F to +158°F) |
| **Warranty**[9] | 2 year parts, 1 year labor | 2 year parts, 1 year labor | 2 year parts, 1 year labor | 2 year parts, 1 year labor | 2 year parts, 1 year labor |
| **EMEA/Asia**[10]**, SKY Brazil, and SKY Mexico System Configuration KVH Part Number**[11] | Linear Universal Single: 01-0366-02 | Linear Universal Single: 01-0368-02<br>Linear Universal Dual: 01-0368-09 | Linear Universal Quad Autoskew: 01-0364-34<br>Linear Universal Quad Manual: 01-0364-04 | Linear Universal Quad Autoskew: 01-0369-02 | Linear Universal Quad Autoskew: 01-0386-04 |
| **Panamericana (P.A.) System Configuration KVH Part Number**[11] | N/A | N/A | DIRECTV P.A. Circular: 01-0364-03 | DIRECTV P.A. Circular: 01-0369-03 | DIRECTV P.A. Circular: 01-0386-03 |
| **North American System Configuration KVH Part Number** | Circular: 01-0366-07 | Circular: 01-0368-07 | Circular: 01-0364-07<br>Tri-Americas Circular: 01-0364-06 | Circular: 01-0369-07<br>Tri-Americas Circular: 01-0369-06 | Circular: 01-0386-07<br>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/tvfootprints for details.
3 Requires region-specific receiver and service. Receiver included in N. America only.
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 PanAmericana (P.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.

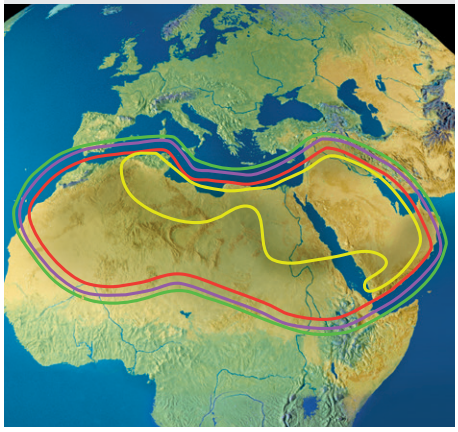
# Worldwide Ku-band Coverage[12]

Maps represent general coverage areas only. For details on specific service coverage areas, visit: **kvh.com/tvfootprints**

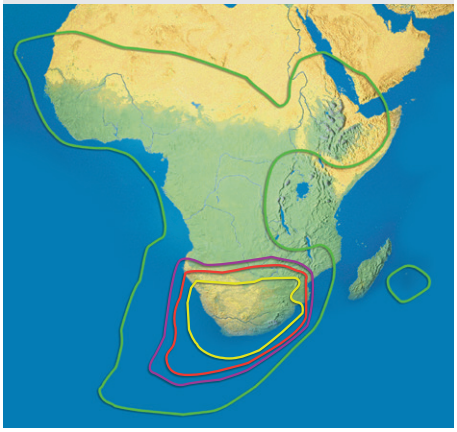
## Europe[13]



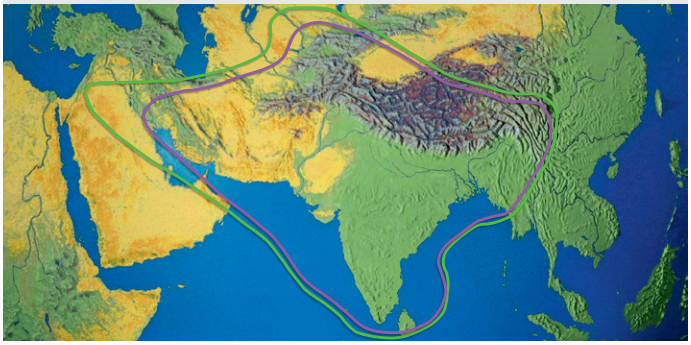
## Middle East



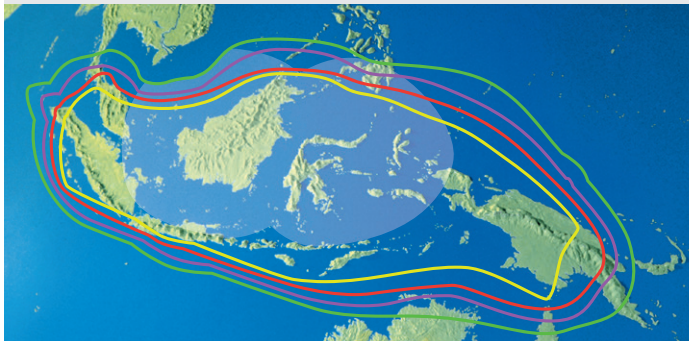
## Africa



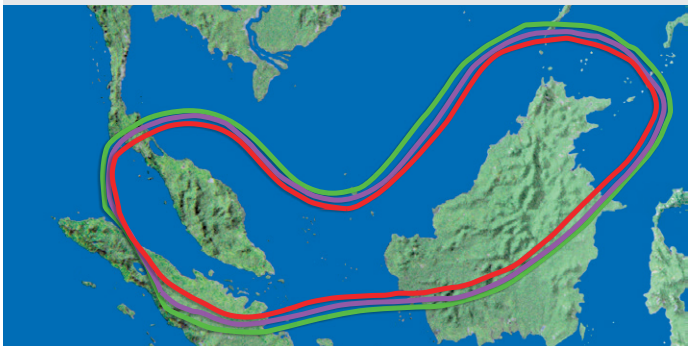
## Southwest Asia



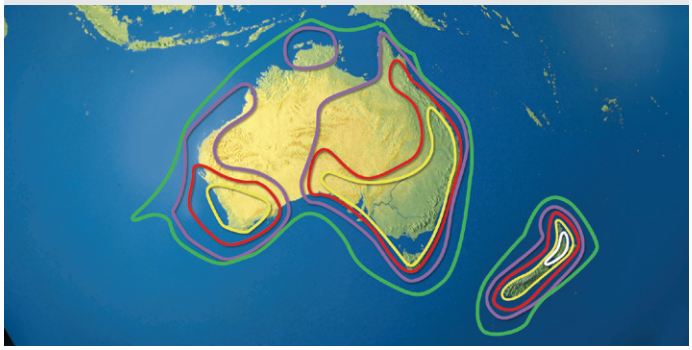
## Southeast Asia[14]



## Malaysia



## Australia & New Zealand



**TracVision TV8**
43 dBW EIRP

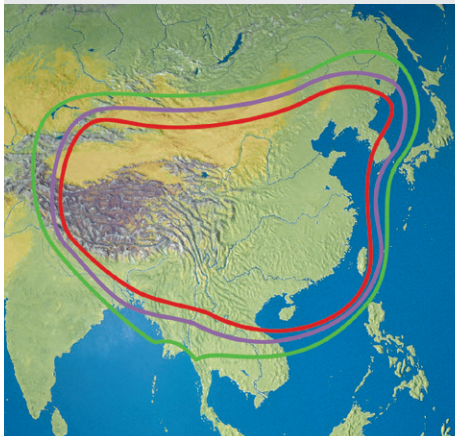
**TracVision TV6**
46 dBW EIRP

**TracVision TV5**
48 dBW EIRP

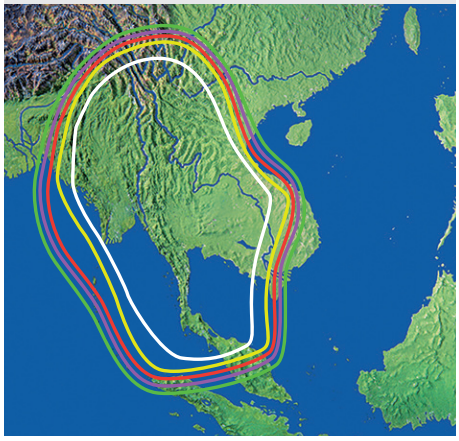
**TracVision TV3**
50 dBW EIRP

**TracVision TV1**
51 dBW EIRP

## China



## Thailand



[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 EIRP values are minimum values and are average approximate figures that may vary according to actual transponder frequency and location.

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

[14] 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.

## 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 stabilized 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 the industry's most rigorous specifications, and in-depth functional evaluations.

The results speak for themselves. In any harbor, 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 authorized dealers/distributors around the globe; the exclusive KVH Certified Support Network (CSN); and a standard 2-year parts/1-year labor warranty.*

**Unless subject to in-country regulations.*

### Dealer/Distributor

BR_TV-series_1-8_Commercial_Brochure_KE_6.17

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