

# Marine Satellite TV Selector



# TracVision® Technical Specifications

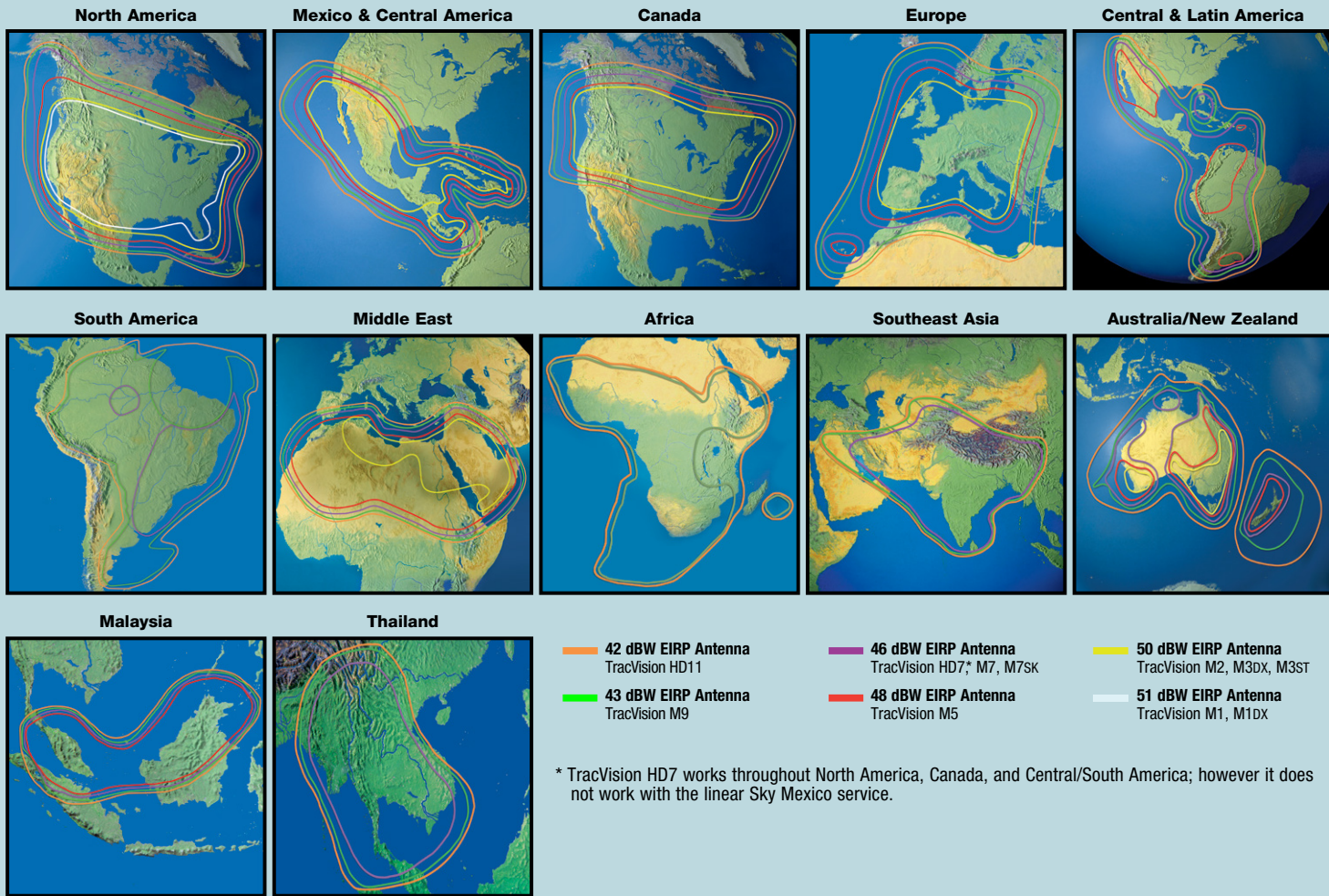


	WORLDWIDE		HIGH PERFORMANCE		COMPACT					
	TracVision HD11	TracVision M9	TracVision HD7	TracVision M7 & M7sk	TracVision M5	TracVision M3dx	TracVision M3st	TracVision M2	TracVision M1dx	TracVision M1
Satellite Coverage Regions <sup>1</sup>	Worldwide <sup>2</sup>	Worldwide <sup>2</sup>	North, Central <sup>2</sup> & South America <sup>2</sup>	Worldwide <sup>2</sup>	Worldwide <sup>2</sup>	Worldwide <sup>2</sup>	North America <sup>3</sup>	Europe <sup>2</sup>	Continental U.S. <sup>2</sup>	Continental U.S. <sup>3</sup>
Antenna Dish Diameter	1 m (41.5")	81.3 cm (32")	60 cm (24")	60 cm (24")	45 cm (18")	37 cm (14.5")	37 cm (14.5")	37 cm (14.5")	32 cm (12.5")	32 cm (12.5")
Antenna Unit Diameter x Height/Weight	1.2 m x 1.4 m (48.8" x 57.3") 90.7 kg (200 lbs)	88.9 cm x 98.7 cm (35" x 38.9") 38.6 kg (85 lbs)	66.3 cm x 69.6 cm (26.1" x 27.4") 27.7 kg (61 lbs)	66.3 cm x 69.6 cm (26.1" x 27.4") 24.9 kg (55 lbs)	49 cm x 53.3 cm (19.3" x 21") 13.6 kg (30 lbs)	39.4 cm x 43.9 cm (15.5" x 17.3") 8.2 kg (18 lbs)	39.4 cm x 43.9 cm (15.5" x 17.3") 8.2 kg (18 lbs)	39.4 cm x 43.9 cm (15.5" x 17.3") 8.2 kg (18 lbs)	34.3 cm x 33.3 cm (13.5" x 13.1") 3.4 kg (7.5 lbs)	34.3 cm x 33.3 cm (13.5" x 13.1") 3.4 kg (7.5 lbs)
Minimum EIRP (Ku-band)/(Ka-band) <sup>4</sup>	42 dBW (Ku-band) 45 dBW (Ka-band)	43 dBW (Ku-band)	46 dBW (Ku-band) 47 dBW (Ka-band)	46 dBW (Ku-band)	48 dBW (Ku-band)	50 dBW (Ku-band)	50 dBW (Ku-band)	50 dBW (Ku-band)	51 dBW (Ku-band)	51 dBW (Ku-band)
Elevation/Azimuth Range	-24° to +119°/720°	-15° to +80°/720°	+15° to +75°/720°	+10° to +80°/720°	+10° to +80°/720°	+10° to +80°/Continuous	+10° to +80°/Continuous	+10° to +80°/Continuous	+20° to +70°/Continuous	+20° to +70°/Continuous
Skew Control	Stabilized/Automatic	Stabilized/Automatic	Stabilized (Tilt)	<b>M7:</b> Manual <b>M7sk:</b> Automatic	Manual	Manual	N/A	Manual	N/A	N/A
LNB Options (polarization/output)	Digitally programmable Universal World Ka-/Ku-/Ka-band Linear/Circular Quad	Circular Dual Linear Dual Linear Universal Quad	Circular Ka-/Ku-/Ka-band	Circular Dual Linear Dual Linear Universal Quad	Circular Dual Linear Dual Linear Universal Quad	Circular Dual Linear Single	Circular Dual	Linear Single <sup>5</sup>	Circular Dual	Circular Dual
Tracking Technology	Multi-axis High-Performance (HP <sup>6</sup> ) tracking	High-Performance (HP) tracking	Multi-axis High-Performance (HP) tracking	High-Performance (HP) tracking	High-Performance (HP) tracking	Open water tracking	Open water tracking	Coastal tracking	Open water tracking	Open water tracking
User Interface	Internet Protocol-enabled Antenna Control Unit (IPACU)	Master Control Unit (MCU)	Internet Protocol-enabled Antenna Control Unit (IPACU)	Master Control Panel (MCP)	Master Control Panel (MCP)	Multi-service Interface Box/Controller	Integrated 12V DIRECTV Mobile Receiver w/ RF Remote Control	Multi-service Interface Box/Controller	Multi-service Interface Box/Controller	Integrated 12V DIRECTV Mobile Receiver w/ RF Remote Control
Tri-Americas <sup>8</sup> LNB Compatible	N/A	Yes	Yes	Yes	Yes	No	No	No	No	No
System Power	100-250 VAC 250 watts nominal 300 watts peak	24-30 VDC 2.5 amps (continuous)	100-250 VAC 60 watts nominal 70 watts peak	12-16 VDC 3 amps nominal 4 amps peak	12-16 VDC 3 amps nominal 3.5 amps peak	10-16 VDC 2.5 amps nominal 4 amps peak	10-16 VDC 2.5 amps nominal 4 amps peak	10-16 VDC 2.5 amps nominal 4 amps peak	10-16 VDC 2.5 amps nominal 4 amps peak	10-16 VDC 2.5 amps nominal 4 amps peak
Cabling (Consult price list for alternative cabling options)	1 Power/Data cable: 30 m (100') (single cable) RF cables customer supplied	1 Power/Data cable: 30 m (100') (single cable) RF cables customer supplied	1 Power cable: 30 m (100') 1 Data cable: 30 m (100') 1 RF: RG11 30 m (100')	1 Power cable: 30 m (100') 1 Data cable: 30 m (100') 1 RF: RG11 30 m (100') (additional RF cables customer supplied) <sup>6</sup>	1 Power cable: 15 m (50') 1 Data cable: 15 m (50') 1 RF: RG6 15 m (50') (additional RF cables customer supplied) <sup>6</sup>	1 Power/RF cable: RG6 15 m (50') (single cable)	1 Power/RF cable: RG6 15 m (50') (single cable)	1 Power/RF cable: RG6 15 m (50') (single cable)	1 Power/RF cable: RG6 15 m (50') (single cable)	1 Power/RF cable: RG6 15 m (50') (single cable)
Antenna Operating Temperature	-25°C to +55°C (-13°F to +131°F)	-20°C to +65°C (-4°F to +149°F)	-25°C to +65°C (-13°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)	-20°C to +65°C (-4°F to +149°F)
Antenna Survival Temperature	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)	-35°C to +70°C (-31°F to +158°F)
Warranty	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>	2 year parts, 1 year labor <sup>7</sup>
EMEA/Asia, <sup>8</sup> Brazil <sup>9</sup> System Configuration KVH Part Number <sup>10</sup>	Universal World Ka-/Ku-/Ka-band Linear/Circular Quad 01-0343-01	Linear Universal Quad 01-0282-04	N/A	<b>M7:</b> N/A <b>M7sk:</b> Linear Universal Quad 01-0287-22 <sup>11</sup>	Linear Universal Quad 01-0286-24	Linear Single 01-0279-02	N/A	Linear Single 01-0291-02	N/A	N/A
Latin American System Configuration KVH Part Number <sup>10</sup>	Universal World Ka-/Ku-/Ka-band Linear/Circular Quad 01-0343-01	Galaxy Circular Dual 01-0282-03	Tri-Americas 01-0323-03 <sup>11</sup>	<b>M7:</b> Galaxy Circular Dual 01-0287-23 <sup>11</sup> <b>M7sk:</b> N/A	Galaxy Circular Dual 01-0286-23	N/A	N/A	N/A	N/A	N/A
Sky Mexico System Configuration KVH Part Number <sup>10</sup>	Universal World Ka-/Ku-/Ka-band Linear/Circular Quad 01-0343-01	Sky Linear Dual 01-0282-05	N/A	<b>M7:</b> Sky Linear Dual 01-0287-25 <b>M7sk:</b> N/A	Sky Linear Dual 01-0286-25	Sky Linear Single 01-0279-02	N/A	N/A	N/A	N/A
North American System Configuration KVH Part Number	Universal World Ka-/Ku-/Ka-band Linear/Circular Quad 01-0343-01	Circular Dual 01-0282-01 Tri-Americas 01-0282-06	Circular Dual 01-0323-01 <sup>11</sup> Tri-Americas 01-0323-03 <sup>11</sup>	<b>M7:</b> Circular Dual 01-0287-21 <sup>11</sup> Tri-Americas 01-0287-26 <b>M7sk:</b> N/A	Circular Dual 01-0286-21 Tri-Americas 01-0286-26	Circular Dual 01-0279-04	Circular Dual (DIRECTV only) 01-0279-01	N/A	Circular Dual 01-0314-04	Circular Dual (DIRECTV only) 01-0314-01

<sup>1</sup> For details, visit [www.kvh.com/footer](http://www.kvh.com/footer). <sup>2</sup> Requires region-specific receiver and service. <sup>3</sup> DIRECTV® receiver included; North American DIRECTV only. <sup>4</sup> Please note that all circular Ka-/Ku-/Ka-band Minimum EIRP values are average approximate figures that may vary according to actual transponder frequency and location. <sup>5</sup> Single receiver system. <sup>6</sup> Some system configurations require additional RF cables. <sup>7</sup> Unless subject to in-country regulations. <sup>8</sup> Some services in Asia require unique circular LNBS to work; contact KVH or your local dealer for more information. <sup>9</sup> Sky Brazil service. <sup>10</sup> Optional system configuration – contact KVH for details and pricing. <sup>11</sup> Tapered base version to match TracPhone V7P available. Tapered base version's height is 79.2 cm (31.2"). Contact sales for further details.



# Worldwide Ku-band Coverage<sup>1</sup>



## Tri-Americas Coverage<sup>2</sup>



## HD7 & HD11 TriAD™ Ka-/Ku-/Ka-band Coverage for DIRECTV North American HDTV Service



These maps are representative. For detailed information about the programming available from different service providers, visit: [www.kvh.com/footprints](http://www.kvh.com/footprints)

<sup>1</sup> 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.

<sup>2</sup> Optional system configuration, combining North American and Latin American coverage footprints. Contact KVH for details and pricing.



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