TracNet™ H60
Versatile, Compact 60 cm Hybrid VSAT, Cellular, & Wi-Fi Connectivity

Stay connected worldwide with the versatile, 60 cm commercial-grade TracNet H60. As much as 42% lighter than competing systems, this compact digital antenna offers unmatched communications using hybrid satellite, cellular, and Wi-Fi connectivity with intelligent, automatic switching. The terminal also includes easy single-cable installation and a commercial-grade rotary joint for continuous azimuth rotation and tracking. Its three-axis pedestal design, stabilized skew, dual digital IMUs, and advanced motor controllers deliver high-performance tracking in all sea states.

1. High-speed VSAT service (as fast as 10/3 Mbps down/up) via KVH’s global, layered Ku-band HTS network, offering 276 million sq. km (106+ million sq. miles) of coverage
2. Tuned antenna paired with KVH’s exclusive RingFire™ technology ensures superior reception
3. Three-axis pedestal design with a fourth axis of automatic skew adjustment for outstanding tracking in all sea states
4. Terrestrial Communications Module supporting integrated high-power cellular antennas with service in 150+ countries plus built-in high-gain Wi-Fi antennas for seamless switching to shore-based Wi-Fi networks
5. Commercial-grade rotary joint and single cable design for easy installation and uninterrupted azimuth rotation and tracking

Belowdeck Units
KVH’s streamlined belowdeck units are at the heart of every TracNet terminal. These tools create confidence through all-in-one system control and network management.

TracNet Hub 10-30V DC-powered with built-in Wi-Fi router, user-supplied SIM port, ethernet ports and VoIP line. Shelf or bulkhead-mount.

TracNet Hub™ AC-powered with touchscreen interface, user-supplied SIM slot, built-in Wi-Fi router, ethernet ports, two VoIP lines, content storage and access for the commercial maritime KVH Link content service. Rack-mount.
TracNet H60 Hybrid Connectivity System

System Specifications

**Service**
- **Network**: KVH Ku-band global HTS network; regional cellular services in 150+ countries; available shore-based Wi-Fi networks
- **Antenna Type**: Ku-band
- **Service Coverage Area**: Seamless Worldwide Regions
- **Maximum Speed Download/Upload**: 10 Mbps/3 Mbps

**Abovedecks Equipment**
- **Antenna Dish Diameter**: 60 cm (24”)
- **Antenna Unit Dimensions**: 66.6 cm D x 79.2 cm (26.2” D x 31.2” h)/24.3 kg (53.6 lbs)
- **Elevation/Azimuth Range**: -24° to 116° / commercial-grade rotary joint for unlimited azimuth rotation
- **Temperature**: Operating: -30°C to 55°C (-22°F to 131°F); Survival: -25°C to 70°C (-13°F to 158°F)
- **Humidity**: IEC 60945; 95% Humidity (non-condensing)
- **Rain**: Precipitation rate of 1.7 mm/min, w/wind speeds up to 100 knots
- **Antenna Unit Power**: DC, provided by the TracNet Hub or Hub+ (non-condensing)
- **Antenna Cable**: 100' coax cable provided; supports cable runs up to 500'; see kvh.com/tracnetcables or contact KVH Technical Support for specifications
- **Remote Support**: Integrated cellular radio for access by KVH Technical Support (requires SIM activation)

**Belowdecks Equipment – TracNet Hub**
- **Dimensions**: 48.3 cm l x 30.7 cm w x 4.5 cm h (19” x 12.1” x 1.75”); will fit in 1U slot; rack-mountable with optional mounting provisions
- **Weight**: 3.7 kg (8.3 lbs)
- **Temperature**: Operating: -25°C to 55°C (-7°F to 131°F); Survival: -15°C to 70°C (5°F to 158°F)
- **Header Input**: NMEA 2000, NMEA 0183 magnetic or true heading
- **Input Power**: 100-240 VAC, 50-60 Hz auto switching, 250W max
- **Data Interfaces**: 4 Ethernet: IEEE 1000BASE-T; 2 USB 3.0 Ports
- **Voice Interfaces**: 2 RJ11 ports for VoIP services

**Belowdecks Equipment – TracNet Hub+**
- **Dimensions**: 23.6 cm x 20.5 cm x 4.4 cm (9.3” x 8.05” x 1.73”)
- **Weight**: 1.4 kg (3 lbs)
- **Temperature**: Operating: -15°C to 55°C (6°F to 131°F); Survival: -25°C to 70°C (5°F to 158°F)
- **Header Input**: NMEA 2000, NMEA 0183 magnetic or true heading
- **Input Power**: 10-30 VDC, 125W max
- **Data Interfaces**: 4 Ethernet: Gigabit 1000BASE-T; IEEE 802.3, 2.4/5GHz IEEE 802.11ac/a/b/g/n 2x2 MIMO Wi-Fi; 2 USB 3.0 Ports
- **Voice Interfaces**: 1 RJ11 port for VoIP services

**System Options**
- **KVH Link**: Available for commercial applications. See kvh.com/link for details.
- **KVH OneCare™ Support Program**: Available; see kvh.com/onecare for details
- **Iridium Certus® Optional Backup**: Available; see “Optional Backup” on kvh.com/H60 for details

**Terrestrial Communications Module – Cellular Specifications**

**Band Support**
- **Regions**: Global, except China
- **5G**: Standards; 3GPP Release 15 NSA/SA operation, Sub-6 GHz
- **MIMO**: DL: Up to 4 x 4 MIMO; UL: Up to 2 x 2 MIMO
- **LTE (4G)**: Standards; DL Cat 20; UL Cat 18; LTE-FDD, LTE-TDD & LTE-LAA
- **UMTS (3G)**: WCDMA
- **Data Rates (max)**: 5G NR SA Sub-6GHz: 4.2 Gbps; UL 450 Mbps
  - 5G NR NSA Sub-6GHz: 4.2 Gbps; UL 450 Mbps
  - 5G NSA Sub-6GHz: 4.2 Gbps; UL 450 Mbps
- **LTE**: DL Cat 20; UL Cat 18
- **UMTS**: WCDMA
- **Data Rate (max)**: 802.11ac/a/b/g/n: 867Mbps
  - 802.11n: 300Mbps
  - 802.11a/g: 54Mbps
  - 802.11b: 11Mbps
  - 802.11g: 54Mbps
- **MIMO**: Up to 2 x 2 MIMO
- **Security**: WPA2, WPA3

**Complete System**
- **Certification**: Complies with the essential requirements of Radio Equipment Directive 2014/53/EU, which includes the safety objectives set out in EN62368-1 and in EMC directive EN60945 NMEA 2000 Certified RoHS & REACH
- **System Warrany**: Comprehensive 2-year parts, 2-year labor warranty supported by KVH’s worldwide Certified Support Network (CSN); extended warranty up to 5 years available
- **Part Number**: 01-0436-11

KVH Global, Layered Ku-band HTS Network Coverage

TracNet 60 cm and 1 m System Coverage Map

Coverage maps are representative and may change at any time. Data rates may also vary in different regions. For complete details, visit kvh.com/tracnetmaps and click on the KVH ONE coverage map. KVH provides no guarantees of satellite coverage or availability.

- 60 cm and 1 m

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