

KVH eTrac – The Worldwide Ships Security Alert System Solution (SSAS) for Mariners



KVH eTrac Provides Ship Security Against Piracy & Terror at the Touch of a Button

As piracy and international terrorism abound, new regulations have been mandated to increase security at sea. Does your vessel comply with new international Maritime Organization and U.S. Coast Guard regulations? KVH eTrac SSAS offers the best value solution to ensure the safety of your ship and crew as well as comply with the International Ship and Port Facility Security Code (ISPS) and Ships Security Alert System (SSAS).

Key Features and Attributes

- Ensures vessel compliance with IMO and U.S. Coast Guard safety requirements
- Lowest lifetime cost – no monthly service fees
- Rugged and proven KVH quality with easy installation
- Global coverage throughout Inmarsat mini-C coverage area
- Fleet tracking and polling using Inmarsat's mini-C service plus built-in 12 channels GPS



The rugged KVH eTrac SSAS combines worldwide affordable safety regulation compliance with proven Inmarsat and KVH quality. Standing less than 6" (152 mm) high and weighing

only 2.4 lbs. (1.1 kg), the easily installed eTrac antenna is fully integrated, containing a transceiver, antenna, and a 12-channel GPS receiver. Two panic buttons can be placed up to 165' (50 meters) away from an interconnection box to make sure you can easily sound an alert should the need arise. With no monthly subscriptions and reasonable transmission costs (with competing Iridium or Inmarsat D solutions you pay a monthly fee whether you use it or not), KVH eTrac offers the lowest lifetime cost. It is also very easy to use; just press the button to send an alert instantly. The eTrac can also be enabled with vessel monitoring software for regular position reporting, allowing fleet managers to have worldwide fleet tracking and polling capabilities. The combination of Inmarsat mini-C and GPS makes eTrac SSAS an invaluable safety tool for any commercial vessel or megayacht and its crew, and offers an ideal and cost-effective solution to ensure compliance with IMO and USCG regulations.



Safe & Sound

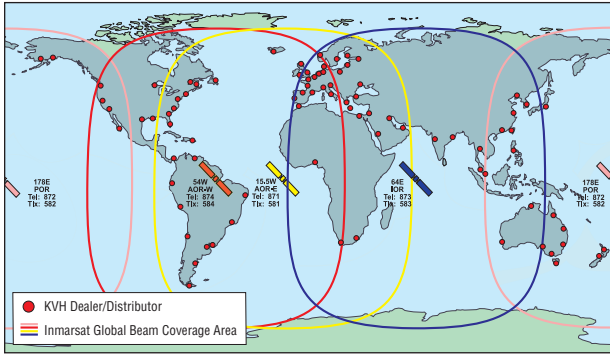
As of 7/1/04 all commercial vessels entering U.S. ports must have a panic button. KVH's eTrac is the most cost-effective solution for ISPS/SSAS requirements and crew/cargo safety.



Worldwide Fleet Tracking

With additional fleet tracking and polling capabilities, vessel owners and fleet managers can know the location of all of their vessels worldwide.

KVH® eTrac™ SSAS



Inmarsat Airtime by KVH

Satellite communications service for eTrac is provided by Inmarsat, the worldwide authority on maritime satellite communications.

KVH offers competitive airtime rates for eTrac service. Visit www.inmarsat-airtime.com or contact your local KVH dealer for up-to-date airtime service rates.



National Marine Electronics Association
1998 – 2003 Best Product Awards

TracVision® – Best Satellite Television System
Tracphone® – Best Satellite Telephone System

Technical Specifications

Physical Specifications

Radome Height/Diameter 5.75" (146 mm)/6.4" (163 mm)
Radome Weight 2.4 lbs (1.1 kg)

Environmental Specifications

Operating Temperature -31°F to +131°F (-35°C to +55°C)
Storage Temperature -40°F to +175°F (-40°C to +80°C)
Wind Up to 140 K/hr (87 mph)
Shock Survival: half sine 20g/11ms
Vibration Operational: random 5-20Hz 0.005g²/Hz, 20-150Hz-3dB/oct.(0.5g RMS)

Internal Antenna

Type Inmarsat mini-C/GPS omnidirectional RHCP
G/T 23.7 dB/K at 5° elevation
EIRP 7 dBW at 5° elevation
Elevation Range +90° to -15°

Internal GPS

Type 12-channel
Update Rate 1/sec
Accuracy 15 m RMS

Operating Frequencies

Receive 1525.0 – 1545.0 MHz
Transmit 1626.5 – 1646.5 MHz
GPS 1575.42 MHz

Data Rate

Receive 600 bps
Transmit 300 – 600 bps

Interface Specifications

Message Storage Capacity 175 kB SRAM
Serial Interface Format RS-232 with hardware flow control
4800 – 115000 baud
VT-100 mode

Power

Power Input 10.5 – 32 V floating DC

Power Consumption

Receive 1.8 W (12V DC supply)
Continuous Transmit 23 W (12V DC supply)
Timed Transmit 1 report per hour / 78 mW
1 report every 5 hours / 25 mW
1 report per day / 11 mW

Warranty

1 Year Parts & Labor

Type Qualified

Full Inmarsat Type Approval for mini-C recognized by more than 80 countries

Part Number

34-3000SSA

Meets Inmarsat, FCC and CE requirements

For further information, please contact:



KVH Industries, Inc.

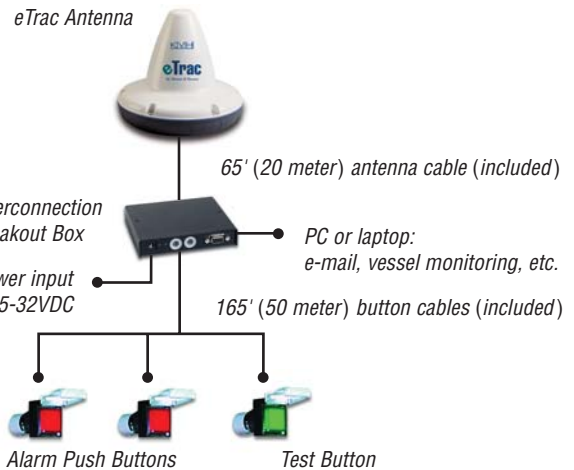
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