

Global Satellite E-mail Communications and GPS Tracking for Mariners



Key Features and Attributes

- Supports e-mail, position reporting, and polling using Inmarsat's new mini-C service plus built-in 12 channels GPS
- Low-cost operation of <1¢/character
- Rugged, compact design
- Worldwide coverage via the Inmarsat satellite network
- Automatic "sleep mode" to minimize power consumption
- Connects directly to a laptop or onboard PC for easy installation and operation
- E-mail software included

KVH eTrac – The Integrated Inmarsat mini-C/GPS Solution with Worldwide Coverage

KVH's eTrac mini-C/GPS Satellite Communications System provides mariners with worldwide, affordable access to e-mail as well as vessel position reporting.

Standing less than 6" high and weighing only 2.4 lbs., the eTrac antenna is fully integrated, containing a transceiver, antenna, and a 12-channel GPS receiver. The system is compatible with and supports all Inmarsat mini-C satellite network features, including e-mail, position reporting and polling, telex, x.25 and mobile-to-mobile communications. Messages sent can also be converted to fax format. With minimal power requirements and a rugged design, eTrac is an ideal solution for keeping in touch affordably wherever you travel.



Bringing Inmarsat mini-C and GPS together makes eTrac an invaluable business tool for any professional application or commercial vessel. eTrac's e-mail capabilities and global coverage via Inmarsat mini-C make it the ideal, low-cost solution for vessel owners and fleet managers who need to keep in touch wherever they are worldwide. Access to your information is easy through the built-in interface for an onboard computer or laptop. The system can even support data retrieval and transmission from multiple PCs or Message Terminals.

The KVH eTrac is the best choice you can make for keeping track of your world using e-mail.

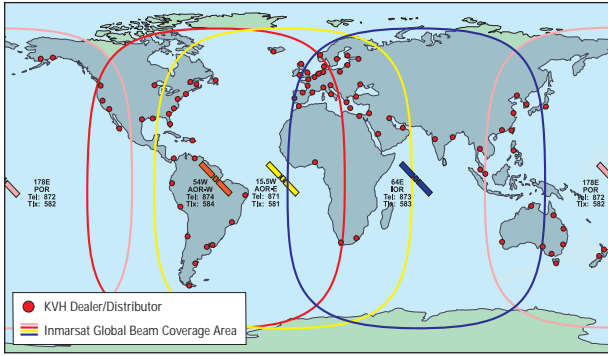


Staying in Touch
KVH's eTrac is an affordable way to exchange e-mail with your business, family, and friends – anywhere you travel.



Low-cost Communications
Global coverage and low rates for e-mail make eTrac the ideal solution for commercial vessels.

KVH® eTrac™



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 – 2002 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

34-3026-SYS

Meets Inmarsat, FCC and CE requirements

For further information, please contact:

eTrac Antenna



Note: The self-contained antenna unit may be connected directly to input/output devices without the breakout box if desired. Contact KVH for details.

Interconnection Breakout Box



PC or laptop (not included)



10.5-32VDC

RS-232



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