Continuous GPS output
The continuous GPS output feature allows GPS data to be sent out via the RS232 port in standard NMEA 0183 format. With the built-in GPS module, the FB150 is able to provide accurate position information to on-board navigation systems such as plotters and radars.

Matching dome solutions
FB150 ships with an Intellian i1 dome as a standard, but various dome sizes are also available to match an Intellian i2, i3, i4 or i6 domes. Now you can select a perfectly matched dome for the best and balanced appearance on your vessel.

Reliable hardware
Operating on the Inmarsat FleetBroadband Satellite Systems and reliable mechanic construction approved to Intellian standards, you can be confident of both the quality of the equipment and the support behind it.

Primary Handset
The primary handset provides an intuitive user interface on a large 2” LCD and mobile phone type keys for making phone calls, texting SMS messages and accessing various configurations supported by the BDU.

Compact global maritime terminal
Weighing just 7.27lbs and 12inch high, the Intellian FB150 is a compact FleetBroadband maritime terminal.

Simultaneous voice and data access
With 150kbps data rates, FB150 provides simultaneous access to data services, voice and text messaging.
Intellian® FB150

Compact Marine FleetBroadband Antenna Systems

Technical Specifications

**Physical**
- ADU Dimensions: 29.9 cm x 27.7 cm / 11.8” x 10.9”
- ADU Weight: 3.0kg / 6.6lbs
- BDU Dimensions: 36cm x 25cm x 6.7cm / 14.1” x 9.8” x 2.6”
- BDU Weight: 3.9kg / 8.5lbs

**Environmental Conditions**
- Operating Temp.Range: -25°C to +55°C / -13°F to +131°F
- Operating Humidity: [ADU] EN60945, [BDU] 95% non-condensing at +40°C
- Water Ingress: [ADU] IP56, [BDU] IP31
- Approvals: Inmarsat FleetBroadband/ R&TTE/ CE/ FCC
- Warranty: 3 years parts and 1 year labor

**Global Services**
- Voice: Digital 4kbps Voice
- Standard IP: Up to 150kbps
- SMS: Up to 160 characters (3G standard)
- FAX: Group 3 (via 3.1kHz Audio)
- Airtime Service: Inmarsat airtime

**Frequency Band**
- Tx: 1626.5MHz~1675.0MHz
- Rx: 1518.0MHz~1559.0MHz
- Ch.Width: [Tx] 21~189kHz, [Rx] 10.5~189kHz

**Power Supply and Consumption**
- DC Input Range: 10.0–32.0V DC (isolated)
- Power (max): 150W @ 10.0–32.0V (including antenna)

Inmarsat FleetBroadband Global Coverage

This map depicts Inmarsat’s expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

Systems Dimension

ADU (Above Deck Unit) Matching Dome Options

Systems Diagram

Antenna

BDU

Handset

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