

i3L

Compact but Powerful Marine Satellite TV Antenna System



HDTV
COMPATIBLE

| A firm hold on the signal

Intellian's exclusive Dynamic Beam Tilting (DBT) uses a high performance, constantly adjusting sub-reflector which allows the antenna to remain the strongest signal at all times while the vessel is cruising at high speed.

| Faster signal acquisition

Intellian's exclusive Wide Range Search (WRS) algorithm allows the antenna to search, find and lock on to a signal with incredible speed and accuracy.

| Simple & Easy installation

With a single cable to connect the antenna and the ACU, Intellian i3 systems are quick and easy to install. Our advanced ACU is designed to require minimum setup so you can begin to enjoy TV programs aboard your boat in no time.

| Compact size with powerful performance

37cm reflector diameter with nationwide coverage for Europe.

| Tune in your favorite HDTV channels

Depending on satellite TV provider Intellian's i3L provides HD channels from the Ku-band. The HD module is actually built-in to the Antenna Control Unit of the Intellian i3L for seamless integration and easy installation.

| Built-in GPS

The Intellian i3L includes a built-in GPS for easier operation and faster signal acquisition. It allows the i3L to have higher accuracy and easy operation wherever the vessel sails.

| Wireless connectivity & Aptus mobile

The built-in Wi-Fi enables the ACU to be wirelessly connected. PCs, laptops and smartphones can be used to connect to the ACU and monitor, control and change the settings of the system wirelessly. Intellian Aptus mobile is available for download to access to the ACU via Wi-Fi and operate the antenna from their iPhone, iPad or other network devices. iPhone and iPad are registered trademarks of Apple Inc.

| Single cable operation

Compact - lightweight solution

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Technical Specifications

| Physical | |
|----------------------------|--|
| Radome Height | 44cm / 17.3" |
| Radome Diameter | 43cm / 16.9" |
| Reflector Diameter | 37cm / 14.6" |
| Weight | 9kg / 19.8lbs |
| Environmental | |
| Operating Temp. Range | -25°C to +55°C / -13°F to +131°F |
| Storage Temp. Range | -40°C to +80°C / -40°F to +176°F |
| Water Ingress | IPX6 |
| Approvals | CE / FCC |
| Warranty | 3 years parts and 2 year labor |
| Performance | |
| Reception Frequency | Ku-band (10.7~12.75GHz) |
| Polarization | Vertical / Horizontal |
| Minimum EIRP | 50dBW |
| Azimuth Range | 680° |
| Elevation Range | +10° to +80° |
| Ship's Motion | Roll ±25°, Pitch ±15° |
| Roll & Pitch Response Rate | 60° / sec |
| Turning Rate | 60° / sec |
| RF Output | Single output |
| Antenna Control Unit | |
| Dimensions (WxDxH) | 17.8cm x 21.7cm x 5.4cm / 7" x 8.5" x 2.1" |
| Weight | 1.2kg / 2.6lbs |
| Display | 2 line 20 character VFD module |
| GPS Interface | Built-in (NMEA 0183 GPS) |
| Power Requirement | 9.0~30.0V DC |
| Power Consumption | Typ. 30W, Max. 50W |

Key Features

Fully Automated system

Automatic satellite search and identification.
2-axis step motors to stabilize the pedestal.

Compact Size

37cm antenna reflector diameter Light antenna weighs less than 9kg.

Enhanced Antenna

Highly efficient parabolic antenna enables 50dBW of minimum EIRP.
Vertical / Horizontal polarization.

Wide Range Search (WRS) Algorithm

Patented Intellian's exclusive WRS searches for the wide range of side lobes and jumps up to the main lobe, providing much faster satellite acquisition.

DVB-S2 Signal Identification

High speed identification employing DVB-S2 Decoder.

Dynamic Beam Tilting (DBT) Technology

A high-speed sub-reflector rotates off axis, checking signal strength at 50 times per second and compensating the tracking direction. Less movement of the main-reflector means less noise and extends the product life.

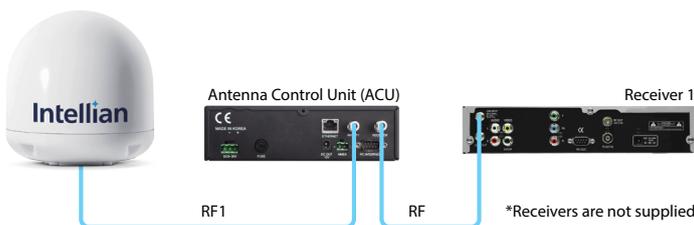
Updated Antenna Control Unit

Easy to change and update satellite information Instant antenna status check and automatic diagnosis a antenna control using PC interface.

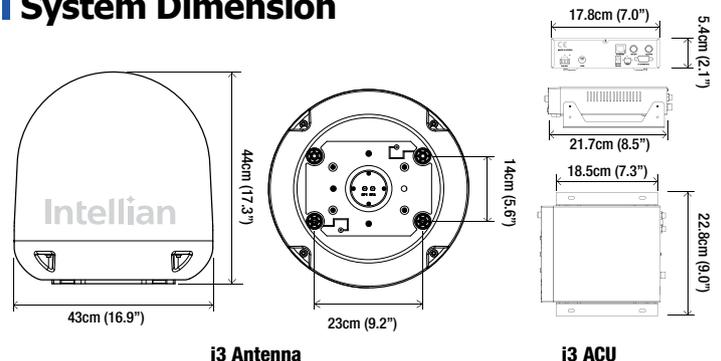
Built-in GPS and NMEA 0183 Interface Port

The i3L includes a built-in GPS inside of the Antenna Unit enabling faster signal acquisition. The ship's GPS can also be connected to the NMEA 0183 port on the rear panel of the ACU.

System Diagram



System Dimension



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