



“ *Features small size and easy installation with powerful performance* ”

One cable from ACU to antenna, small dome size and light weight(8Kg) antenna enable easy installation. The small size antenna allows for smaller vessels to fit the systems without space constraints.

SATELLITE TV SYSTEM

SatFlower i3

Features

Fully Automated System

- Automatic Satellite Search and Identification Function
- 2-axis Step Motor for Manipulating the Pedestal

Enhanced Antenna

- 37cm-Diameter, Parabola-Type Antenna for Receiving Ku-Band (10.7 ~ 12.75GHz) Satellite Signal
- LHCP/RHCP or Horizontal/Vertical Polarization

Superior Dynamic Tracking

- Dynamic Beam Tilting (DBT) by rotating sub-reflector

Fastest Search Algorithm

- Wide Range Search (WRS) Algorithm
- Statistical Search Algorithm

DVB (Digital Video Broadcasting) Signal Identification

- High-Speed Identification employing a DVB Decoder
- QPSK Demodulator Lock for DSS Signals

Built-in NMEA 0183 GPS Interface

- Easy interface allowing a boat owner to have a separate GPS system can provide even higher performance

New Antenna Control Unit

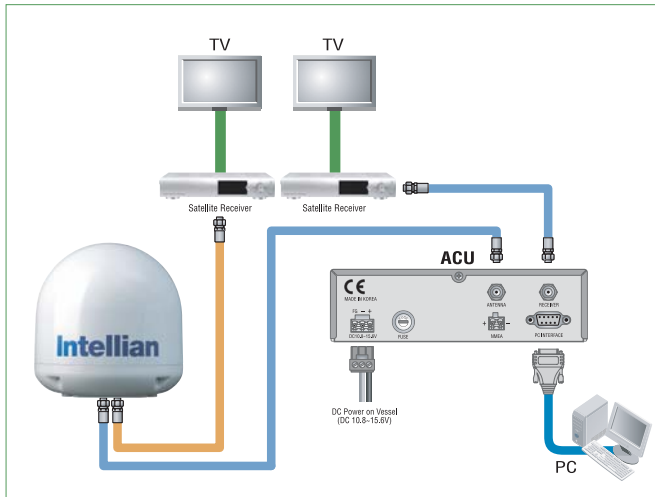
- Easy satellite information change and update
- Easy antenna status check and automatic diagnosis
- Reliable power supply to the antenna
- Easy antenna control using PC interface

Easy Installation

- One cable from the ACU to the antenna



SatFlower i3 System Configuration



SatFlower i3 Mounting System



SatFlower i3 Specifications

PHYSICAL

Overall Dimensions	43cm diameter x 44cm height
Weight	8kg
Antenna Dish	37cm diameter

ENVIRONMENTAL

Operating Temperature Range	-15°C to 55°C
Storage Temperature Range	-25°C to 70°C
Shock	27G, 11msec
Approved	CE and FCC

PERFORMANCE

Frequency	Ku-Band(10.7 ~ 12.75GHz)
Minimum EIRP	50dBW
Azimuth Range	680°
Elevation Range	10° to 80°
Roll & Pitch Range	Roll $\pm 25^\circ$, Pitch $\pm 15^\circ$
Roll & Pitch Tracking	60°/second
Turn Rate	60°/second
Position Repeatability	0.1°
LNB	Dual Output

ACU (Antenna Control Unit)

Dimensions	178mm x 54mm x 217mm
Weight	1.2kg
Display	2 Line 20 Character VFD Module
Control Key	5 Integrated Push Buttons
Serial Interface	19200bps 8, N, 1, RS-232C
Power	Input : DC 10.8 ~ 15.6V (Typ. 30W, Max 50W)
GPS Interface	Built-In(NMEA 0183 GPS)
Remote Control Interface	Available

Intellian Technologies®
Communicate Smarter

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