Intellian

t85N

85CM MARITIME
Global Satellite TV Antenna System

FEATURES

ALL NEW HARDWARE STRUCTURE

All new hardware and pedestal based on our quality proven VSAT NX terminals. Modular components are used throughout the new t-Series range, such as the main control unit and skew assembly. Sharing common modules across Intellian's new t-Series antenna, reduces the number of spare parts required.

UNLIMITED AZIMUTH RANGE

With Intellian's unique rotary joint and slip ring solution, those onboard will enjoy uninterrupted TV services no matter the number of turns the vessel makes. The solution eliminates the need to wait for the antenna to reposition to unwrap once the cable length was reached. The TV choices you enjoy at home can be enjoyed at sea.

Wi-Fi CONNECTIVITY

The Wi-Fi function enables the ACU to be wirelessly connected. Any kind of wireless devices such as PCs, laptops and smartphones can be used to connect to the ACU to manage and control the antenna system.

NEW APTUSNTV

Intellian's all new integrated M&C platform AptusNTV provides responsive web user interface. The simple seven step installation wizard function configures the antenna system automatically and minimizes operators' work for system installation and operation.

TELEVISION WHEREVER YOU ARE

From Intellian's pre-programmed library of TV satellites worldwide, users can easily select the desired satellite while traveling from region to region. Users also can program the desired TV satellite on AptusNTV. Once the satellite is selected, the WorldViewTM LNB module will automatically switch to the corresponding Ku-band local frequency and receive the signal without the need to switch the LNB.

SYSTEM HIGHLIGHTS

- 5 cable configuration
- All New hardware structure
- Pre-programmable WorldView Ku-band LNB
- Unlimited azimuth range
- DVB-S2 Digital TV receptions
- Wi-Fi connectivity enable
- User-friendly SW platform for antenna M&C
- Matching dome solution
- Dual setup via external Mediator

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TECHNICAL SPECIFICATIONS

ABOVE DECK UNIT

Radome Height	123.0cm / 48.44"
Radome Diameter	113.1cm / 44.53"
Reflector Diameter	85cm / 33.46"
Weight	79.0kg / 174.2 lbs
Azimuth Range	Unlimited
Elevation Range	-15° to +110°
Cross-level Range	Up to ±35°
Rx Frequency	10.7 ~ 12.75 GHz, Ku-Band
Rx Gain	> 38.9 dBi @ 11.7 GHz (w/o Radome)
LNB Type	Ku-Band WorldView Pre-programmable
EIRP	43.0 dBW (Min.)
Polarization	Linear & Circular
Stabilization Accuracy	0.2°max in presence of specified ship motions
Ship Motion (@ 6 second)	Roll ± 25°, Pitch ± 15°, Yaw ± 8° Turning Rate: Up to 10° /sec²

BELOW DECK UNIT

Dimensions	43.1 x 41.1 x 4.4 cm / 17.0" x 16.2" x 1.7"
Weight	5.7 kg / 12.6 lbs
Key	2 Push Keys
LED Indicator	3 LEDs: Power, Tracking, Error
Power Requirement	100 ~ 240 VAC, 50~60Hz, 3.3A
Power Consumption	Max 150W
Gyrocompass Interface	NMEA2000 / NMEA0183
Ethernet Port	RJ45, TCP / IP connection
RF Interface	FSK/DC power: F-type

LNB LO FREQUENCIES

Local Oscillator Freq.	Polarization	Area
11.250 GHz	Dual Circular	North America, Russia
10.500 GHz	Dual Circular	Latin America
10.750 GHz	Single Circular	Korea
10.678 GHz	Dual Circular	Japan
11.300 GHz	Single Circular	South East Asia
10.700 GHz	Dual Linear	Australia
Universal Low: 9.75/High 10.6 GHz	Quad Linear	Europe, Middle East, Africa, Some Asia countries

SYSTEM DIMENSION

SYSTEM DIAGRAM

SYSTEM DIAGRAM (DUAL)

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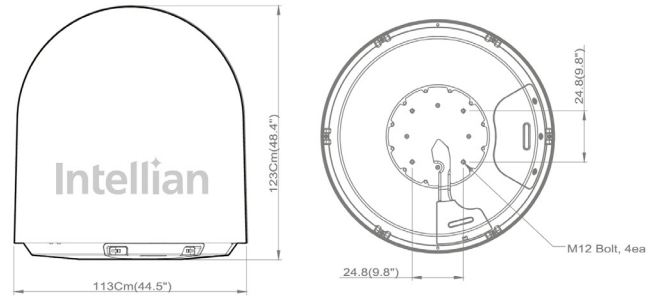Intellian Technologies, Inc.
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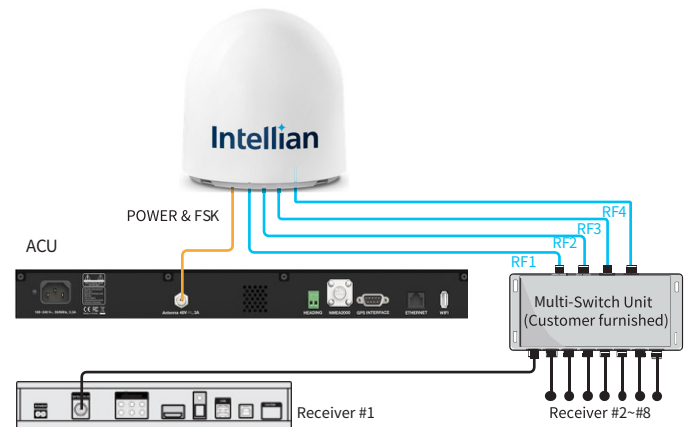T +1 949 727 4498
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Part No. 2022_t85N-DS0627