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1.3M MARITIME

HD DIRECTV and Global Satellite TV Antenna



FEATURES

ALL NEW HARDWARE STRUCTURE

The new pedestal, motors and modular antenna control are based on the successful VSAT NX terminals. The majority of the new TVRO antenna's parts are interchangeable. Sharing common modules across Intellian's new TVRO series greatly 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 wait for the antenna rotation required to unwrap cable once its length is reached. The TV choices you enjoy at home can be enjoyed at sea without interruption.

SIMULTANEOUS DIRECTV RECEPTION

Intellian's WorldView Trio LNB™, with its triple feed horn, provides simultaneous reception of DIRECTV® satellites: two HD Ka-band (99°W/103°W) satellites and one Ku-band (101°W) satellite. The LNB receives Ku-band TV service around the globe, providing a complete HD entertainment experience at sea.

NEW APTUSNTV

Intellian's all new integrated M&C platform AptusNTV provides a responsive web user interface. A simple seven step installation wizard function configures the antenna system automatically and minimizes operators' work for system installation and operation. The ACU supports Wi-Fi for easy access from a PC, tablet or smart phone.

TELEVISION WHEREVER YOU ARE

The user can select the desired TV programming from the internal library of worldwide TV satellites. A selection of TV satellites can be listed as favorites for quick access. New TV satellites can easily be added to the library via the AptusNTV dashboard.

SYSTEM HIGHLIGHTS

- All New hardware structure
- Unlimited azimuth range
- Simultaneous DIRECTV® satellite reception (99, 101, 103W)
- Programmable WorldView Trio LNB™
- Wi-Fi connectivity support
- Aptus NTV for easy configuration
- Matching dome solution available
- New Dual TVRO Mediator support
- Multi-Switch Module

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TECHNICAL SPECIFICATIONS

ABOVE DECK UNIT

Radome Height	172.4 cm / 67.87"
Radome Diameter	168.1 cm / 66.28"
Reflector Diameter	125 cm / 49.2"
Weight	139 kg / 306.4 lbs
Azimuth Range	Unlimited
Elevation Range	-15° to +115°
Cross-level Range	Up to ±42°
Rx Frequency	Ku-band: 10.7 ~ 12.75 GHz, Ka-band: 18.3 ~ 18.8 / 19.7 ~ 20.2 GHz
LNB Type	Trio WorldView Programmable
EIRP	Ku-band: 41.0 dBW (min.) Ka-band: 44.0 dBW (min.)
Polarization	Ku-band: Linear & circular Ka-band: 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°/sec ²

BELOW DECK UNIT

Dimensions	43.1 x 35.0 x 4.4 cm / 17.0" x 13.8" x 1.7"
Weight	4.8 kg / 10.6 lbs
Key	2 push keys
LED Indicator	3 LEDs: Power, tracking, error
Power Requirement	100 ~ 240 VAC, 50~60 Hz, 3.3 A
Power Consumption	Max 150 W
Gyrocompass Interface	NMEA2000 / NMEA0183
Ethernet Port	RJ45, TCP / IP connection
RF Interface	FSK/DC power: F-type Front: PC connection, firmware upgrade, logs download
USB Port	Rear: Wi-Fi (for Wi-Fi dongle)

LNB LO FREQUENCIES

Worldview Trio LNB	
Ku-Band	9.75 / 10.6 GHz (universal mode) 10.5, 10.678, 10.7, 10.75, 11.25 and 11.3 GHz (single mode)
Ka-Band	18.05 GHz

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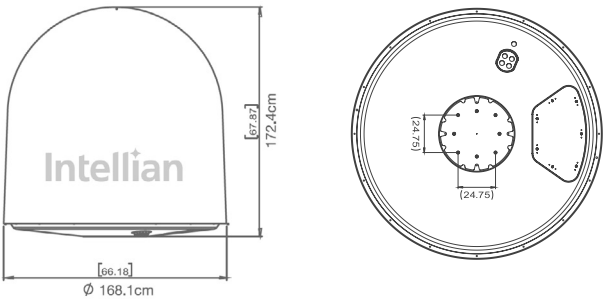
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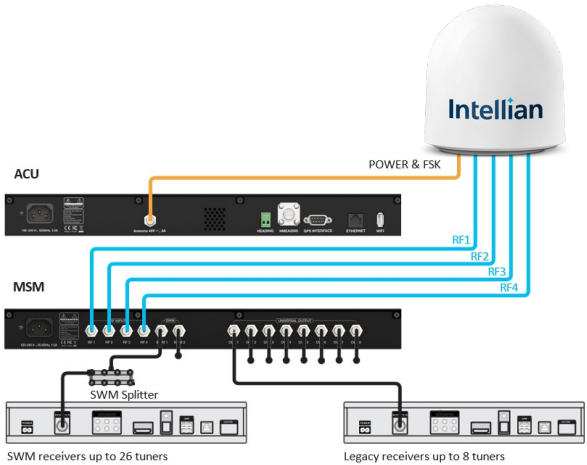
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SYSTEM DIMENSION



SYSTEM DIAGRAM



SYSTEM DIAGRAM (DUAL)

