

Intellian

v 2 4 0 C

2.4M C-BAND CIRCULAR AND LINEAR POLARIZATION

Maritime VSAT Antenna System



FEATURES

AUTOMATIC POLARIZATION SWITCHING

Featuring patented technology available only on select Intellian models, the v240C allows you to effortlessly and automatically switch between linear and circular c-band polarization, wherever you go, with ease and convenience. Simply select a polarization from the ACU or PC-based control software, and the unit does the rest of the work for you, auto-adjusting itself to receive the desired signal.

EASY INSTALLATION, SETUP AND OPERATION

With the v240C, installation and setup are easier than ever. Once a satellite's peak signal position is acquired during first-time setup, the unit will automatically re-adjust accordingly every time it boots (bow, home sensor offset, azimuth, and elevation position), saving you huge amounts of time and effort.

WIDE ELEVATION ANGLE

The v240C's wide-look angle pedestal design is excellently suited for extremely low or high latitude areas, such as the Scandinavian Peninsula or the Equatorial regions. Empower your vessel with the ability to travel far and wide, without the worry of signal loss!

ANTENNA DOME FEATURES

The v240C antenna dome is combined with 12 panels which makes easier to assemble than equivalent products. The unit comes with an optional temperature control assembly that automatically provides the dome enclosure's interior with air conditioned cooling as needed. No matter what the temperature is outside the dome, you can rest assured that the unit will be fully functioning under optimal temperature conditions inside the dome.

MOTOR BRAKES

Motor brakes on the elevation and cross-level components prevent dish damage from sudden movements and/or shock when the unit is powered off, in transport, or in storage.

v240C

TECHNICAL SPECIFICATIONS

PHYSICAL

Radome Height	414cm / 163.0"
Radome Diameter	391cm / 154.0"
Reflector Diameter	240cm / 94.5"
Antenna Weight	782kg / 1724lbs

STABILIZED PEDESTAL ASSEMBLY

Platform	3-axis: Azimuth, Elevation, Cross-level
Azimuth Range	Unlimited
Elevation Range	-15° to +120°
Cross-level Range	up to 30°
Stabilized Accuracy	0.2° peak mispointing @ max ship motion
Motor Brake System	Elevation, Cross level

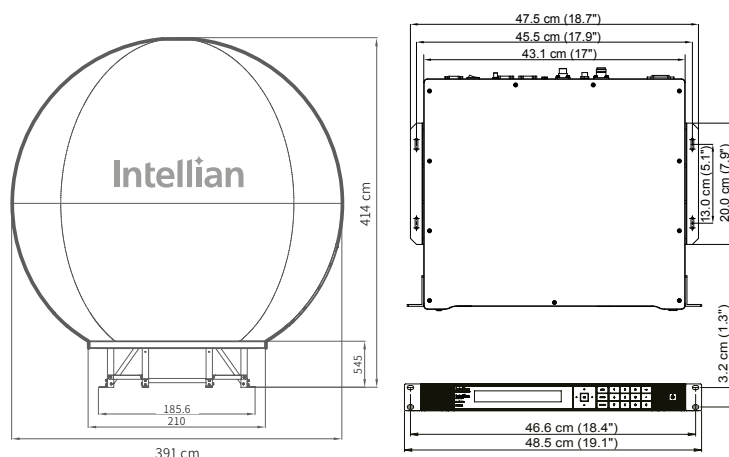
REFLECTOR & FEED ASSEMBLY

Tx Frequency	5.85GHz~6.425GHz
Tx Gain	41.7dBi @ 6.14GHz (with Radome)
Rx Frequency	3.625GHz~4.2GHz
Rx Gain	37.7dBi @ 3.91GHz (with Radome)
G/T (Incl. Radome)	20.0dB/K (Clear Sky, 30° Elevation)
BUC Power	25W~200W (optional)
LNB	C-band LNB
Polarization	Circular Polarization & Linear Polarization, Auto Switching

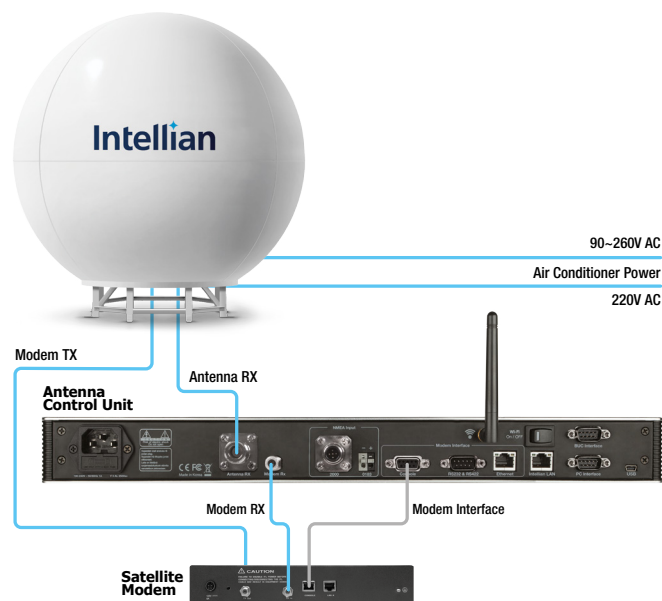
ANTENNA CONTROL UNIT

Dimensions (WxDxH)	43.1cm x 38.1cm x 4.4cm / 17" x 15" x 1.7"
Weight	3.5kg / 7.7lbs
Display	2 line 40 character graphic VFD module
Ship's Gyrocompass Interface	NMEA / NMEA 2000
Modem Interface	Ethernet port / RS-232C / I/O ports
Modem Protocol	iDirect, Comtech, SatLink, Hughes, GILAT
Remote Management	Yes
Management Port	Yes
Power Requirement	100~240V AC, 50~60 Hz, 1A

SYSTEM DIMENSION



SYSTEM DIAGRAM



ACU KEY FEATURE

- Firmware updates can easily and reliably be made through the ACU without any hardware replacements utilizing Intellian's custom updating.
- Wi-Fi supported ACU provides convenient connection to the ACU for setup and system monitoring.
- TCP/IP supports a wide range of modem interface formats (including Ethernet, console, RS232).

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