

Intellian t240CK

2.4m C-band and Ku-band Marine Satellite TV Antenna System



Remote management solution

The t240CK can be accessed, monitored and controlled from any location in the world by accessing the ACU's built-in web based Monitoring and Control software. Additionally, routine maintenance activities can be automated. These functions include firmware upgrades, tracking parameters, logging performance data, and system diagnosis.

Simultaneous C and Ku-band TV reception

The t240CK is designed to receive both C- and Ku-band satellite signal simultaneously. With multiple RF outputs from the below deck multi-switch, both C and Ku-band receivers can be connected, simplifying installation and providing seamless operation.

Easy installation, setup and operation

With the t240CK, installation and setup are easier than ever. Once a satellite's signal peak position is acquired during the first-time setup, the antenna system will re-adjust all the parameters (bow adjust, home sensor offset, azimuth and elevation position) automatically even after it reboots to save a tremendous amount of time and effort for the operators.

Hands-free WorldView™ LNB

The t240CK incorporates Intellian's patent pending worldview LNB which receives multi-band and multi-polarization satellite TV services around the globe. This eliminates the need to climb into the radome to change the LNB each time when travelling to a different satellite TV service region.

Dedicated management ethernet port

The ACU of the t240CK Provides a convenient Management Ethernet Port on the front panel. The Management Port supports DHCP network connection by default allowing quick network access without additional PC IP configuration.

Gyro-free satellite search capability

Intellian's new generation Gyro-free satellite search function enables the t240CK to acquire and track the satellite without requiring a separate input from the ship's gyrocompass.

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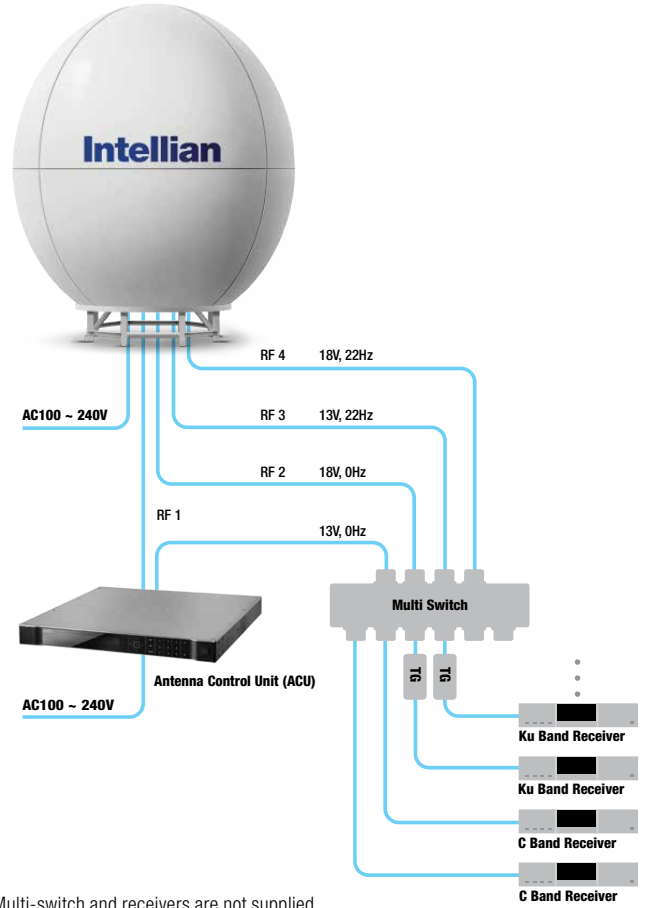
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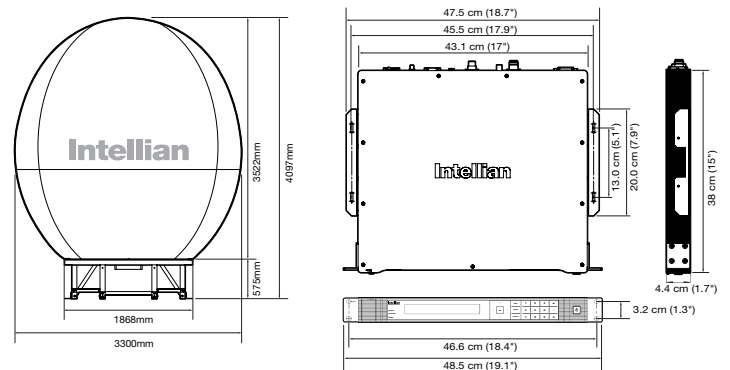
Technical Specifications

Physical	
Radome Height	410cm / 161.4"
Radome Diameter	330cm / 130"
Reflector Diameter	240cm / 94"
Weight	630kg / 1,389lbs (Excl. A/C)
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 year parts and 1 year labor
Performance	
Platform	3-axis : Azimuth, Elevation, Cross-level
Reception Frequency	C-band: 3.4~4.2GHz Ku-band: 10.7~12.75GHz
Polarization	C-band: Linear Ku-band: Linear & Circular (Auto Switchable)
Minimum EIRP	C-band: 31dBW Ku-band: 35dBW
Feed Assembly	Dual C-band / Quad Ku-band Linear, 2 C-band + 2 Ku-band or Quad Ku-band simultaneously
Skew Control	Automatic Skew-angle Control
Azimuth Range	Unlimited
Elevation Range	-15° to +120°
Ship's motion	Roll ±25°, Pitch ±15°, Yaw ±15°
Turning Rate	Up to 12°/sec and 5° /sec ²
RF Output	Quad Output
Antenna Control Unit	
Dimensions (WxDxH)	43.1cm x 38.1cm x 4.4cm / 17"x15"x 1.7"
Weight	3.5kg / 7.7lbs
Display	2 Line 40 Character Graphic VFD Module
PC Interface	RS232C (57600bps, 8, N, 1) / USB
Gyrocompass Interface	NMEA 2000 / 0183
Remote Access	TCP / IP / Wi-Fi
Power Requirement	100~240V AC, 50~60Hz
Power Consumption	Typ. 50W, Max 100W

System Diagram



System Dimension



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