



Enterprise 120C with IPOINT™



Features

- 1.2m Reflector options
- Compact and Robust
- Auto-Pointing IPOINT™ Controller
- Can be Operated by Anyone
- Acquires in < 3 minutes
- Available with integrated DVB-RCS Modem
- Simple Operation – Requires no Satellite Communication Expertise
- Acquires the satellite within minutes
- Completely automatic one button acquisition of required satellite
- Low cost, high performance and reliable satellite acquisition
- Ultra-Compact
- Dual Optic SMC Antenna

Overview

The **ENTERPRISE120C™** antennas are high quality roof mount systems. These antennas encompass the drive control, positioning hardware and amplifier into the antenna enclosure, making the system a robust standalone sub-assembly ready to install onto almost any vehicle.

The system is simple to install, set up and use. Following relocation of the antenna, the system will reliably and accurately locate and lock on to the designated traffic satellite rapidly within minutes. The IPOINT Auto Acquisition Controller uses industry standard position transducers and a sophisticated pattern recognition algorithm to confirm and refine its heading information using visible satellites. The controller is mounted on the antenna structure with a separate control panel with integral power supply and in a rack mount unit for mounting within the equipment area.

Drive-Away VSAT Antenna ENTERPRISE C-Class



Technical Specifications

Physical		ENTERPRISE120™		
Antenna Width	123cm			
Antenna Height	127cm			
Geometry	Offset, dual optic			
Reflector Material	SMC			
Weight	80kg			
Range				
Azimuth	+/-220°			
Elevation	3° - 90°			
Polarization	+/-95°			
Feed Interface	WR75			
Electrical				
Receive				
Polarization	Linear			
Frequency Band	10.7-12.75 GHz			
Gain @12.5GHz	41.8 dBi			
Transmit				
Polarization	Linear Orthogonal			
Frequency Band	13.75-14.5 GHz			
Gain @14.25GHz	43 dBi			
VSWR	1.3:1			
Wind Speed	Operational up to 45 mph (72 kph) Survival up to 100 mph stowed (161 kph)			
IPOINT™ Specifications				
Operational modes	Auto-acquire	Unstow	Stow	Configure
LNB Power supply	Can provide 13/18VDC switchable at up to 600mA on RF cable to power LNB and diseq tones.			
RF Signal Input	L-band signal from LNB Level -70 to -20 dBm			
Display	2 line LCD display giving Mode, Signal Level Indication and Position Information			
Motor Drive	Can drive all motors at 24VDC up to 12A. Pulse width modulation from 10% to 100%.			
Limit Switches	Stow Azimuth and Elevation switches			
Options				
Hand Held Controller	Hand Held Controller with LCD display			
Physical				
Temperature Range	-20°C to 55°C – Operating -40°C to 85°C - Non Operating (storage)			
Extened Temperature Range Option	-40°C to 55°C – Operating -40°C to 85°C - Non Operating (storage)			
Humidity	5% to 95% RH non condensing - Operating 0% to 99% RH non condensing - Non Operating (storage)			
Altitude	10,000 feet max			
Input Power	110 or 230V, single phase, 50/60Hz, 500W			
Dimensions	Antenna mounted controller 10.8" (275mm) x 10.3" (262mm) x 2.7" (69mm) Rack mounted Control panel containing PSU:19" (483mm) x 1.75" (44mm) x 16"(406mm)			
Mounting	Antenna mounted controller Rack mounted Control panel containing PSU: Standard 1U rack mount			
Standards				
Designed to meet	EN55022 and EN50082-1			

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