



iAutoSat 120 System

Auto Pointing / Auto Acquisition



General Information

Max Deployed Height:	82 inches
Stowed Dimension:	12.5" Height x 87.0" Length x 50" Width
Mount Rail Width:	13 inches
Reflector Type:	Andrew 1.2m (Patriot Dual Skin Optional Upgrade)
BUCs Supported:	NJRT 5037 3 Watt or NJRT 5017 4 Watt
Polarization:	Linear Cross Pole
Weight:	180 lbs. Approximate

Mount Rotation

Azimuth:	375 degrees
Elevation:	90 degrees to horizon
Skew (Polarization):	+/- 60 degrees

Environmental Survival

Wind Deployed:	70 mph
Wind Stowed:	150 mph
Temperature:	-58 degrees F to 176 degrees F (-50C to +80C)

Operational

Wind:	35 mph
Temperature:	-40 degrees F to 122 degrees F (-40C to +50C)

Deployment Sensors

Global Positioning Satellite (GPS):	Yes
Compass:	+/- 10 Degrees
Tilt Sensors:	+/- 0.5 Degrees

Connections and Cabling

Transmit (TX):	RG6
Receive (RX):	RG6
Electrical Data Interface:	RG6 Max 100 Feet

Voltage/Power

AC Input:	100-250V 3A Max 47-63 Hz
DC Output:	48V 2.5A Max

Acquisition Speeds

Deploying Elevation:	17.3 degrees per Second
Stowing Elevation:	20 degrees per Second
Deploying Azimuth:	7.5 degrees per Second
Peaking (Cross-Pol) Ku-Band:	Average overall Acquisition Time: 2 to 4 Minutes

Controller

Interfaces:	(3) Ethernet RJ45 (10 x 100), (2) USB A, (1) USB B, (1) Serial 9-Pin
Dimensions:	10.25" L x 10.0" W x 2.0" H (stowed) (26.04 cm L x 25.4 cm W x 5.08 cm H)
Voltage/Power	120V AC 5 Amp Max Draw

All Product Specifications Subject To Change Without Notice

10.30.2006