

Mechanical

Reflector Type	0.96 meter Glass Fiber
Mount Geometry	Elevation over Azimuth
Polarization	Vertical or Horizontal: 270° on both polarities
Deployment Sensors	GPS, Inclinometer, Counters
Azimuth	380° sweep
Elevation	151° sweep from stow to full deploy
Elevation Max Look Back	76° from 90° (Includes dish offset of 15°)
Deploy Elevation	Variable ~2°/sec
Deploy Azimuth	Variable ~5°/sec
Deploy Cross Pole	Variable ~45°/sec

Physical

Length Stowed	74.8" (1.9m)
Width Stowed	38.8" (0.99m) w/reflector 19.5" (0.5m) w/o reflector
Height Stowed	12.8" (0.3m)
Weight	120 lbs (56.7 kg) w/o reflector and RF equip. 167 lbs (79.8 kg) complete
Boom Capacity (BUC Weight)	15 lbs (6.8 kg) *custom solutions can be made for heavier BUCs

- User interface accessible from any wifi enabled device
- No software to install
- Advanced self leveling feature aids in satellite acquisition
- Advanced peaking
- Faster deploy times
- Unaffected by magnetic compass distortion
- Standard controller is available as a desktop version or 1U rack mount
- Universal BUC mounting options
- Modem agnostic
- Custom configurations are available

Environmental

Deployed Wind Resistance	60 mph (96.6 kph)
Stowed Wind Resistance	Wind tunnel tested to 145 mph (233 kph)
Operational Temperature	-50°C to 80 °C/ -58 °F to 176° F





0.96M Autopoint Technical Specifications

Electrical

Transmit & Receive Cables	2 RG6 cables 50ft (15.2m) Standard
Control Cable	Interface cable 50ft (15.2m) Standard * Longer cables available
Transmit Power (BUC)	1 to 200 Watt
Frequency	Ku Band
TX	13.75-14.5GHz
RX	10.70- 12.75GHz
Polarization	Linear, Orthogonal
Feed Interface	WR75
3dB Beam Width TX	1.5°@ 14.3GHz
RX	1.8°@ 12.0 GHz
TX Gain	41.2 dBi @ 14.3 GHz
RX Gain	39.7 dBi @ 12.0 GHz
Noise Temperature	10°EL @ 48K; 20° @ 35K; 30° @ 29K
Side Lobe Envelope	1.8° < θ < 20° 29 - 25log θ dBi 20° < θ < 26.3° -3.5dBi 26.3° < θ < 48° 32 - 25log θ dBi 48° < θ < 180° -10 dBi
Cross Polarization	>30dB (in 1dB Contour)
Isolation (Port to Port) RX	> 35dB
TX	80dB
VSWR	TX: 1.3:1; RX: 1.5:1

Warranty

1 year warranty, extended warranty available



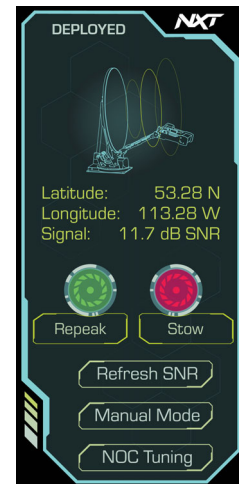
Controller Overall



Controller Rear View

Controller

Standard Controller	-User intuitive -Push button interface, or graphical interface via PC or smart device -Embedded training videos -Optional DVB capability
Dimensions	11"L x 5.5"W x 1.75"H (280mm x 140mm x 44mm) * 1U rack mount option available
Interface	Serial or Ethernet
Electrical	100-240 V AC / 40 VDC *typical draw is 14 Watts when idle, 200 Watts when searching.



Controller Interface



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