Technical Specifications

The DataStorm stands 42.5" tall when deployed, and 10.5" tall when stowed.

- Reflector Type: 74 Meter Effective Elliptical Offset
- Mount Geometry: 3 Axis Motor Drive [Elevation, Azimuth, Skew]
- Polarization: Dish Rotation Cross-Pol Isolation 35 dB - 30 dB Minimum
- Deployment Sensors: GPS, Compass +- 20 & Tilt Sensor +- 10

Fast Speeds

The DataStorm achieves download speeds of 400kbps with burst speeds at 1.5 mbps with the Direcway Platform. This is faster than T1 speeds! Download a 1 Megabyte file in about 10 seconds. Upload speeds vary between 40 to 90kbps; about twice to three times as fast as a 56k Modem.

Safety Features

If you forget to stow the dish before driving off, the DataStorm looks at your GPS to recognize the movement and will automatically stow the dish. Also, if the vehicle rocks too much due to the wind or other forces, the DataStorm will automatically stow itself.

Dish Dimensions

Mounting Plate: 48" long x 22" Wide
Dish Stowing Extended Dimensions: 56" long x 39.5" Wide x 10.5" High
Deployed Height: 42.5" Max Height
Weight: 105 lbs

Cabling

Satellite TV: Mount is wired for Dual TV Receivers
Transmit and Receive Cables: 2 EA RG6 30'
Electrical Data Interface Cable: 9 Conductor 22 AWG 30'

Speed

Deploying Elevation: 1 degrees / Second
Deploying Azimuth: 12 degrees / Second
Peaking: 1 degrees / Second

Controller

Dimensions: 12" Long x 8" Wide x 1" High
Interface: Serial [9-15 Pin] to Computer

Modems: Transmit [TX] & Receive [RX]

Dimensions: 12" Long x 7" Wide x 1" High
Modem Voltage: 120v AC
Transmit Cable [TX]: RG6
Receive Cable [RX]: RG6 & USB to Computer
Transmit Power: 1 Watt

Maximum Mount Rotation

Azimuth: 370 degrees
Mount Geometry: 140 degrees
Polarization: +- 55 degrees

Environment

Deployed Wind Resistance: 60 mph
Stowed Wind Resistance: 140 mph
Operational Temperature: -20 F to 125 F

Motors

Motor Voltage: 12v DC 1.2 Amps Maximum Draw

ST CONSULTANTS LTD.
11629 - 145 Street
Edmonton, AB, Canada, T5M 1V9
Tel 780-486-2453 Fax 780-451-3644
www.stconsultants.com