Tilt Servo

120VAC

Antenna Tracking System

Dish Antenna
5725 – 5850 Mhz at 27dbm

Pan Servo

Small Primary Payload Ground Station Block Diagram Rev 2 (11/19/15)

Verizon Hotspot Internet

Laptop 2

POE Ethernet

Ubiquity 5.8 Ghz Modem

Mini Maestro Motion Controller

RFD900 Modem

Arduino

GPS

IMU 9DOF

120VAC

USB

5 VDC Supply

USB

3.7 Volt Lithium Polymer Charger

Laptop 1

Ethernet

Portant Antennas

USB

Video Antenna

Patch Antenna
900Mhz at 6dBi

Still Image Antennas

Yagi Antenna
900Mhz at 9dBi

RFD900 Modem

Still Image Antennas

900Mhz at 9dBi

USB

900Mhz at 6dBi

Base Primary Payload Ground Station Block Diagram Rev 2 (11/19/15)