

Antenna Pointing System V2.0
For Unmanned System Operations



**Performance That Goes
The Distance**



System Specifications:

Base Dimension	13 x 6	in
Height (w/out ant.)	6	in
Weight (w/out ant. or batteries)	7.5	lbs
Power Requirements	12 - 35	V
Azimuth Range	360	deg
Elevation Range	0-90	deg
External Power & Charging Interface	5-pin	Din
Comm. Interface	9-pin fm	Sub-D
Antenna Interface	Male	SMA
Receiver Interface	Male	SMA

System Features:

- Autonomously points antenna(s) towards an unmanned system
- Compatible with Procerus Kestrel 2.x and Cloud Cap Technology Piccolo 2.x autopilots
- Can also input telemetry w/ standard GPS NMEA
- Includes Storm iM2720 storage / transport case, heavy duty tripod, & 2.4GHz 24dBi antenna
- Compatible with multiple COTS antennas (up to 45lb weight) through modular mounting plates
- Li-poly Battery, BA55-90, or AC powered
- Windows GUI software application
- Receiver independent
- Cost-effective system solution



APS v2.0

<p>Source</p> <p><input checked="" type="radio"/> Piccolo AP</p> <p><input type="radio"/> Kestrel AP</p> <p><input type="radio"/> GPS Simulation</p>	<p>Identification</p> <p>UAV ID: <input type="text" value="1"/> <input type="button" value="Set UAV ID"/></p> <p>APS ID: <input type="text" value="5023"/> <input type="button" value="Set APS ID"/></p>
<p>UAV Telemetry</p> <p>Latitude: 37.61887667</p> <p>Longitude: -122.37349694</p> <p>Altitude: 691.8</p> <p>Ground Speed: 49.9</p> <p>Bearing: 234.5</p> <p>Heading: 143.1</p> <p>Slant Range: 873.9</p>	<p>APS Telemetry</p> <p>Latitude: 37.61984861</p> <p>Longitude: -122.37212417</p> <p>Altitude: 6.2</p> <p>Azimuth: 234.5</p> <p>Elevation: 52.5</p> <p>Heading: <input type="text"/></p> <p><input type="checkbox"/> Wireless</p>
<p>Units</p> <p><input checked="" type="radio"/> English <input type="radio"/> Metric</p>	<p>Comm Settings</p> <p>Comm Port: <input type="text" value="1"/> <input type="button" value="Set"/></p>
<p><input type="button" value="Enable Tracking"/> <input type="button" value="Disable Tracking"/> <input type="button" value="Exit"/></p>	

The Brock Technologies Antenna Pointing System V2 is specifically designed to support field operations with Unmanned Aerial and Ground Vehicles. The system provides a reliable method for autonomously pointing directional antennas toward air or ground based assets, decreasing the number of personnel required for operations and increasing the communication or video range. Any vehicle operating with a Piccolo or Kestrel autopilot, or emitting telemetry containing a standard NMEA GPS packet, can take advantage of the increased communication or video link provided by this GPS-based tracking system.

For more information:
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