

NuPod[®]

Auto Positioning Antenna System



Features

Automatic Operation

- GPS-interfaced embedded control provides automatic alignment of the directional antenna and greatly simplifies operation
- Automatic alignment with receive site
- Automatic tracking of airborne downlinks

Designed for Mobile Applications

- Compact, lightweight system
- High gain directional antenna
- Built-in continuous rotation positioner
- Encapsulating radome

Remote Control Operation

- Remote control of all functions
- NSI MC5 *Auto Link*[™] function automatically sets up the live shot at the touch of a button

Automatic Antenna Alignment

The NuPod[®] represents the state-of-the-art in auto positioning antenna systems. Specifically designed for mobile operations, it is a compact, lightweight system that incorporates a directional antenna and continuous rotation positioner encapsulated within an aerodynamic radome. At the heart of the NuPod[®] is a GPS-interfaced embedded control, which provides automatic alignment of the directional antenna and greatly simplifies operation.

Ideal for transmit as well as receive applications, the NuPod[®] combines the superior performance of a directional antenna with the ease of operation associated with an omnidirectional antenna.

Transmit Applications

The NuPod[®] reduces setup time by automatically aligning its directional antenna with the receive location. The operator simply selects the desired receive site and the NuPod[®] transmit antenna aligns automatically.



NuPod[®] Auto Positioning Antenna System



Receive Applications

The NuPod[®] is also ideal for mobile receive applications, such as the automatically tracking an airborne downlink. Operationally, it uses telemetry from the incoming downlink to automatically steer its directional antenna. An automatic acquisition feature further simplifies the tracking function.

Remote Control Operation

The NuPod[®] can be remotely controlled by the NSI MC5 - adding a whole new dimension to mobile operations. This advanced capability takes the microwave setup activities out of the truck and allows a single operator at the studio to control both ends of the microwave link. It also allows remote vehicle operations by a single-person crew.

Antenna

Model	Frequency*	Gain**	Az	EI
23DA4	2-2.5 GHz	15 dB	14 deg.	56 deg.
70HA1	7 GHz	15 dB	20 deg.	50 deg.

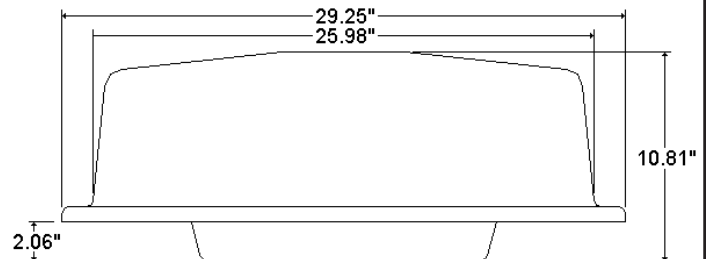
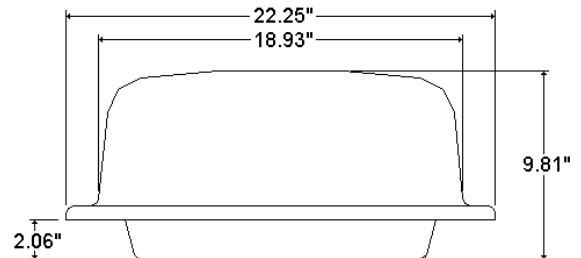
* Other frequencies available upon request.

** Gain referenced to a like-polarized isotrope, excluding switching options.

Positioner

Pan Range	Continuous (no limits)
Pan Speeds	
Fast	60 degrees/second (adjustable)
Slow	2 degrees/second (adjustable)
Drive System	Worm gear drive
RF Rotary Joint	Included
Slip Ring	Encased unit with precious metal tracks and brushes

7 GHz Version



2 GHz and Dual Band Version

Specifications subject to change without notice.