

# Super Pod™

## Airborne Antenna System



### Features

#### Automatic Operation

- GPS-interfaced embedded control automatically aligns transmit antenna with the receive site
- Provides telemetry data output for automatic tracking by receive system

#### Advanced Antenna Design

- High gain for maximum range
- Directivity and circular polarization minimize multipath reflections

#### Integral Positioner

- Rugged worm gear direct drive for precision alignment and reliability
- Automatic heater standard

#### Versatile Configurations

- Available with vertical linear or circular polarization
- Available with downlook antenna for relay applications

The Super Pod™ is a low profile, lightweight antenna system for airborne video downlink applications. Field proven with law enforcement and television news operations worldwide, it incorporates a directional antenna and robust positioner encapsulated within a low profile radome.

Ideal for airborne transmit as well as relay applications, the Super Pod™ automatically aligns its directional transmit antenna with the receive site. It also provides a telemetry output that is used for automatic tracking by the ground-based receive system.

The Super Pod™ includes an advanced transmit antenna to overcome signal degradation caused by multipath reflections. The transmit antenna combines directivity, sidelobe suppression and circular polarization to provide performance that is far superior to yagi antenna systems.

The high performance of the Super Pod™ transmit antenna is complemented by its robust positioner. It features a worm gear direct drive that ensures precision alignment and reliability.



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## 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.

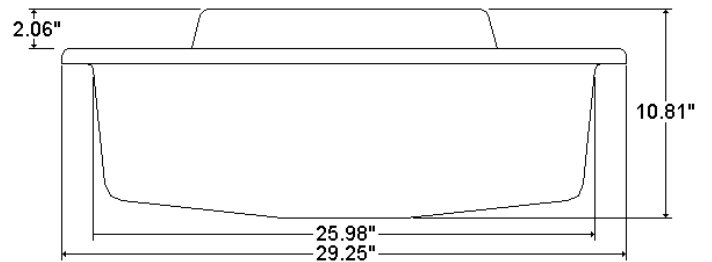
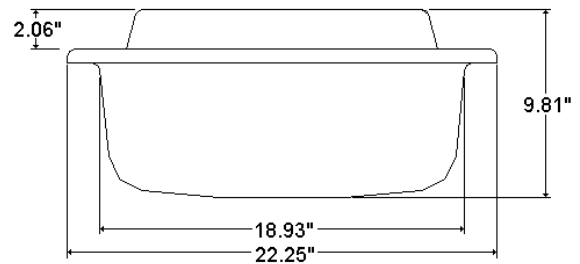
\* Other frequencies available upon request.

\*\* Gain referenced to a like-polarized isotrope.

## 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
Automatic Heater	Included

7 GHz Version



2 GHz Version

Specifications subject to change without notice.