

2.4m Flyaway Systems

Manual Adjustment

Option 1



Basic Features

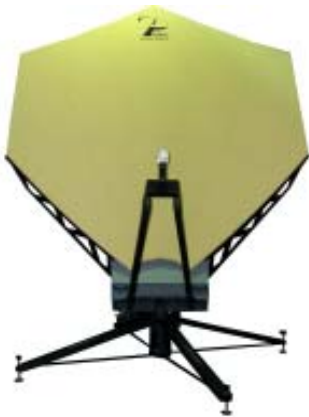
- C and Ku Bands
- Self Leveling Feet for Uneven Surfaces
- Custom-designed Cases for Easy Transportation
- Sturdy Boom Accommodates Many Outdoor Units
- Preassembled Quadpod Base Mount with Pull Pins

Unique Features

- 20 Minute Setup
- Socket Drive Adaptor for rapid-adjust
- Hand-wheel for fine-tuning azimuth and elevation

Dual Axis Motorized with Smart Jog Controller

Option 2



- Includes Basic Features of Option 1

Unique Features

- Motorized Feed Assembly for Polarization Adjustment
- Motorized Az/EI Mount for Jog Control
- Manual Jog or Tracking motions Available
- RCI-3050 Controller
- Actuator Control
- 2 or 3 Axis Motorization
- Limited Motion Mount

Auto Locate

Option 3



- Includes Features of Option 2

Unique Features

- Automatically Locates Satellite without Manually Adjusting
- Fluxgate Compass and GPS Tracking
- RCI-3000A Controller

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2.4m Flyaway Systems

RF SPECIFICATIONS	Circular Single Optic		Linear Single Optic	
C-Band	Receive	Transmit	Receive	Transmit
Frequency in GHz	3.625 - 4.20	5.850 - 6.425	3.40 - 4.20	5.7 - 6.725
Midband Gain (Rx/Tx)	38.3 dBi	42.2dBi	38.2dBi	42.6dBi
Antenna Noise at 30° Elevation		35 K		35 K
Typical G/T @ 30° EL 3.912 GHz				
Clear Horizon w/ 50K LNA		19.4 dB/K		19.0 dB/K
Cross Pol Isolation on Axis (4 port)	17.7 dB	27.3 dB	30.0 dB	35.0 dB
with 1 dB Beamwidth	17.7 dB	27.3 dB	22.0 dB	26.0 dB
Return Loss	17.7 dB	19.0 dB	17.7 dB	19.0 dB

RF SPECIFICATIONS	Circular Single Optic		Linear Single Optic	
Ku-Band	Receive	Transmit	Receive	Transmit
Frequency in GHz	10.70 - 12.75	13.75 - 14.50	10.70 - 12.75	13.75 - 14.50
Midband Gain (Rx/Tx)	48.0 dBi	49.6dBi	48.0dBi	49.6dBi
Antenna Noise at 30° Elevation		30 K		30 K
Typical G/T @ 30° EL 11.725 GHz				
Clear Horizon w/ 80K LNA		35.0 dB/K		27.6 dB/K
Cross Pol Isolation on Axis (4 port)	30.0 dB	35.0 dB	30.0 dB	35.0 dB
with 1 dB Beamwidth	30.0 dB	20.0 dB	22.0 dB	26.0 dB
Return Loss	17.7 dB	19.0 dB	17.7 dB	20.0 dB

Tx/Rx Sidelobe Level	Mainbeam $\theta < 7^\circ$	29-25 Log θ dBi
	$7^\circ < \theta < 9.2^\circ$	+8 dBi
	$9.2^\circ < \theta < 48^\circ$	32-25 Log θ dBi
	$48^\circ < \theta < 180^\circ$	-10 dBi (average)

Mechanical Data		Environmental Data	
Antenna Optics	Single Offset	Wind Loading	45 mph 72 km/h Operational (With Ballast or Anchors)
Mount Type	Elevation over Azimuth Quadpod		75 mph 121 km/h Survival (With Ballast or Anchors)
Elevation Adjustment	0° to 90° Continuous Fine Adjustment	Temperature	-40° to 140°F -40° to 60°C
Azimuth Adjustment	± 30° Fine, 360° Continuous	Rain	.5 inches /hour 1.3 cm /hour
		Solar Radiation	360 BTU/h/ft²(1000Kcal/h/m)²

Packaging Dimensions		(L x W x H)	
CASE	CONTENTS	CASE SIZE	CASE & CONTENTS (lbs)
1	Leg Assembly	64" x 24" x 7"	99 lbs
2	Lower Mount Asm.	30" x 23" x 17"	90 lbs
3	Ref. Hub Assembly	53" x 41" x 27.5"	189 lbs
4	Radial Beams/ Feed Support	64" x 24" x 16.5"	130 lbs
5	Panels	58" x 33" x 12"	143 lbs
6	Panels	53" x 36" x 12"	129 lbs
		6 cases Total	780 lbs



Our cases are constructed of Reinforced Tri-laminated panels with extruded aluminum angles and deep tongue-in-groove closure with stainless steel continuous piano hinges. The cases are lined with closed cell high density foam and the parts are custom fit and supported with the foam for extra protection. Each case is waterproof. Custom colors may be available.

**Meets or exceeds Mil Spec 810 and 28800*

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