

3.8 m Prime Focus Antenna System

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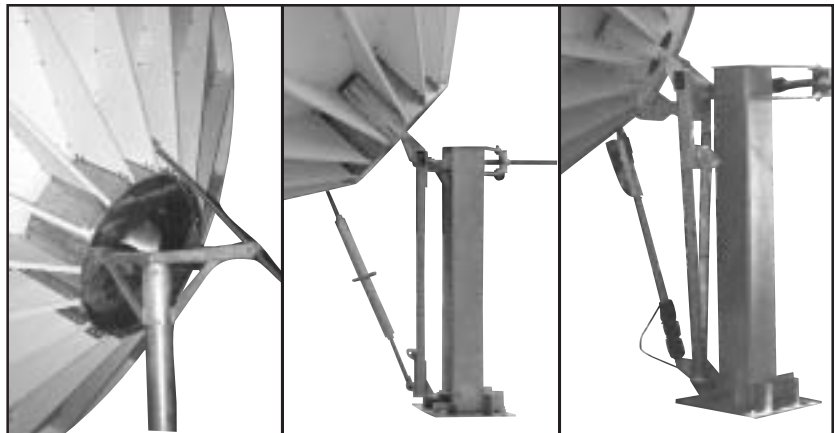
RF Specifications	C-Band	Ku-Band	
Receive Frequency Range (other bands available)	3.625 - 4.2 GHz	10.95 - 12.75 GHz	
Midband Gain	41.5 dBi	50.3 dBi	
Noise Temperature	50 K @ 10°	55 K @ 10°	
Ports / Polarization	1 or 2 port circular /	1 or 2 port linear	
Motorized feed system also available	1 or 2 port linear		
Polarization Rotation	360° Continuous		
Polarization Isolation	30 dB LP	30 dB LP	
VSWR	Rx 1.4:1	Rx 1.4:1	
Feed Flanges	Rx CPR 229G	Rx WR75	
Mechanical Specifications	Az-EI Head	Kingpost	Navigator
F/D Ratio	.413	.413	.413
Focal Distance	61.95 in.	61.95 in	61.95 in.
Azimuth Travel	360° Continuous	132° Arc, 120° Mot.	132° Arc
Elevation Travel	0° to 90°	10° to 90°	10° to 90°
Polarization Travel	± 90°	± 90°	± 90°
Total Weight	705 Lbs.	612 / 725 Lbs.	610 / 210 Lbs.
Crate Dimensions	87x36x30 in.	87x36x30 in. 48x48x94 in.	87x36x30 in. 68x48x12 in.
Units per 40 ft. Container	39 units	21 units	36 units
Environmental Specifications			
Wind Load	Operational	60 mph	
	Survival	125 mph	
Temperature	Operational	-40° to 140° F (-40° to 60°C)	
	Survival	-60° to 180°F (-51° to 82°C)	
Radial Ice	Survival	1" or 1/2" + 60 mph	
Shock & Vibration	As occurred during one shipment of air, truck, or rail		

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ATRIOT Antenna Systems

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Az-EI Fixed
PRT-380AZ

Fixed Az-EI Kingpost
PRT-380AZKP

Dual Axis
Motorized Kingpost
PRT-380DAKP

3.8 m Prime Focus Antenna System



Model Number PRT-380

Features

- 125 Mph Wind Survival
- Multi-Feed Systems Available (up to 4)
- Available in Dual Axis Motorized, Fixed Az-El Head, Polar, Horizon to Horizon, and Dual Axis Navigator mounts
- Specifically Designed for FCC Spec. 29-25 Log θ for 2° Spacing
- King Post Pedestal Mount for Superior Steering and Stability
- High Accuracy Antenna, Low Transportation Cost

Description

The Patriot 3.8 meter antenna is manufactured in the United States and is the symbol of quality in the antenna industry. It features a variety of mounting options and a dual sided galvanized reflector which is powder coated for superior protection against the elements. Stainless steel hardware is also available.

The 3.8 meter prime focus reflector consists of 16 draw die formed petals. The contoured petals with matched radial beams and hub assembly ensure easy installation without field alignment. This antenna is competitively priced for the broadcast and cable industry as well as the educational market. Complete turnkey systems are available.