



PFA-120

The PFA-120 is a very compact & lightweight, fully motorized / manual offset antenna system including a 1.2m offset reflector, a quick-install feed-arm, feed-horn system, and three axes pedestal system.

The precision, accurate reflector surface provides remarkably low sidelobes and excellent cross-polar rejection performance for the antenna. Quickly installed feedhorn system is available in C, X, Ku, Ka, DBS Bands.

Thanks to its modular design, no tools are required for the installation of PFA-120. It is very easy to use so no special training is needed for the operator.

The antenna can be easily transported in IATA weight - compliant flight cases. It can even be transported by a commercial airline to wherever you need to go!

Key Features

- High EIRP, high performance 1.2m offset antenna and very low sidelobe
- Carbon-Fiber Reflector
- Optional De-Ice
- C, X, Ku and Ka Band options available
- High resistance for toughest weather conditions (wind, rain, sun...)
- Aluminium alloy tripod support legs
- Easy to install, easy to operate no training is needed
- Integrated DVB-S/S2 & Beacon Receiver (Optional)
- Manual & Auto Pointing Versions



GENERAL SPECIFICATIONS

Reflector Diameter	1.2m
Reflector Type	Offset
Setup Time	~5 Minutes
Pointing System	Manual & Auto Pointing Versions

RF CHARACTERISTIC

		Ku-Band	X-Band	Ka-Band
Frequency (GHz)	Tx	13.75-14.50 GHz	7.90-8.40 GHz	29.00-31.00 GHz
	Rx	10.7-12.75 GHz	7.250-7.775 GHz	19.20-21.20 GHz
Antenna Gain (±0.2 dBi)	Tx	43.2	38.3	49.5
	Rx	41.9	37.6	46.2
Polarization		Linear	Circular	Circular
Cross Polar Isolation		35 dB		
Tx/Rx Isolation		85 dB	90 dB	85 dB
VSWR		1.3	1.3	1.5
Side Lobe		-14dB (first side lobe)		
Feed Type		Single offset		
Reflector aperture		1.2M		
Feed Interface		WR-75	WR-112	WR-28 (TX) WR-42RX
Power Capability		200W	200W	400W

MECHANICAL SPECIFICATIONS

	Azimuth	Elevation	Polarization
Slew Range	360°	5°~90°	±90°
Reflector aperture	1.2M		

ENVIRONMENTAL SPECIFICATIONS

Operational Wind Speed (with Ballast & Anchors)	72 Km/h
Survival Wind Speed	90 Km/h
Operational Temperature	-40°C~+60°C
Relative Humidity	0-100%

Compliances / Certificates



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