



Size:

2.0m

## PFA-200

### Lightweight & Durable Design

The PFA-200 is a compact fly-away satellite antenna featuring a 2.0-meter segmented carbon fiber reflector. This design achieves an optimal balance of exceptional durability and lightweight portability, with IATA-compliant transit cases enabling swift worldwide transport via commercial airlines.

### Rapid Deployment & Versatility

On-site, the antenna system enables you to be on air within 3 minutes. You will not be disturbed by any noise or heat. The user-friendly GUI design allows an operator with minimal satellite experience to operate the antenna. The system features high-precision pointing via resolvers, boosted with 16-bit chipsets, achieving 0.01° pointing accuracy with resolvers on 3 axes for stable connectivity on the move.

### Superior Signal Acquisition

Integrated rapid satellite acquisition technology guarantees swift setup and superior signal clarity. The PFA-200 is the definitive solution for establishing secure satellite communications anywhere, at any time, in the most demanding mission-critical scenarios.

### Key Features

- C, X, Ku, Ka Band options are available
- Manual & Auto Versions Available
- Dual offset Carbon-Fiber 9 pieces segmented reflector
- Less than 5 minutes ready to operation with two people
- Interchangeable Feeds
- High resistance for toughest weather conditions (wind, rain, sun...)
- Aluminium alloy tripod support legs
- DVB/ Beacon Tracking
- Optional LTE / 5G supported modem for load balancing and bonding solutions
- Optional De-Ice System





GENERAL SPECIFICATIONS

Reflector Diameter	2.0m
Reflector Type	Dual Offset
Reflector Material	Carbon-Fiber
Feed Type	Dual Offset
Antenna Concept	Portable, Segmented

RF CHARACTERISTIC

	X-Band	Ku-Band	Ka-Band
Frequency (GHz) Tx	7.9 ~ 8.4	13.75 ~ 14.50	27.5 ~ 31.0
Frequency (GHz) Rx	7.25 ~ 7.75	10.7 ~ 12.75	17.7 ~ 21.2
Antenna Gain (±0.2 dBi) Tx	42.7	47.7	53.8
Antenna Gain (±0.2 dBi) Rx	42.1	46.5	50.3
Polarization	Circular	Linear	Circular
CPI (On Axis, linear)		≥35 dB	
Tx/Rx Isolation	85dB		
VSWR Tx	≤1.3	≤1.3	≤1.4
VSWR Rx	≤1.3	≤1.35	≤1.4
Antenna Pattern Compliancy	ITU-R S.580-6 & ITU-R S.465-6		
RF Power Capacity	Up to 100W		

MECHANICAL/ POWER SPEC.

	Azimuth	Elevation	Polarization Tx	Polarization Rx
Antenna Motion Range	±200°	0~90°	0~90° LHCP (X & Ka)	RHCP (X & Ka)

ENVIRONMENTAL SPECIFICATIONS

	PFA-200
Temperature Range Operational	-40°C~+60°C
Temperature Range Survival	-55°C~+70°C
Wind Speed Operational	80 km/h (balance weight&anchors)
Wind Speed Survival	97 km/h (balance weight&anchors)
Relative Humidity	0-100%
Rainfall	Operational:5cm/h Survival:10cm/h
Solar Radiation	1000 Kcal/h/m2
Radial Ice Survival	12.7 mm

Specifications are subject to change.

