



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

Two operators can fully assemble the system and get it on-air in under 5 minutes without tools. Available in X, Ku, and Ka band configurations with quick-change feed assemblies, it ensures seamless adaptation for broadcast, tactical communications, emergency response, and mobile network operations.

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





TECHNICAL SPECIFICATIONS / PFA-200 Scan the QR code for more information.

GENERAL SPECIFICATIONS

Reflector Diameter
Reflector Type
Reflector Material
Feed Type
Antenna Concept

PFA-200

2.0m
Dual Offset
Carbon-Fiber
Dual Offset
Portable, Segmented

RF CHARACTERISTIC

Frequency (GHz) Tx
Frequency (GHz) Rx
Antenna Gain (±0.2 dBi) Tx
Antenna Gain (±0.2 dBi) Rx
Polarization
CPI (On Axis, linear)
Tx/Rx Isolation
VSWR Tx
VSWR Rx
Antenna Pattern Compliancy
RF Power Capacity

X-Band

7.9 ~ 8.4
7.25 ~ 7.75
42.7
42.1
Circular
85dB
≤1.3
≤1.3
ITU-R S.580-6 & ITU-R S.465-6
Up to 100W

Ku-Band

13.75 ~ 14.50
10.7 ~ 12.75
47.7
46.5
Linear
≥35 dB
≤1.3
≤1.35

Ka-Band

27.5 ~ 31.0
17.7 ~ 21.2
53.8
50.3
Circular
≤1.4
≤1.4

MECHANICAL/ POWER SPEC.

Antenna Motion Range

Azimuth

±200°

Elevation

0~90°

Polarization Tx

0~90° LHCP (X & Ka)

Polarization Rx

RHCP (X & Ka)

ENVIRONMENTAL SPECIFICATIONS

Temperature Range Operational
Temperature Range Survival
Wind Speed Operational
Wind Speed Survival
Relative Humidity
Rainfall
Solar Radiation
Radial Ice Survival

PFA-200

-40°C~+60°C
-55°C~+70°C
80 km/h (balance weight&anchors)
97 km/h (balance weight&anchors)
0-100%
Operational:5cm/h Survival:10cm/h
1000 Kcal/h/m2
12.7 mm

Specifications are subject to change.