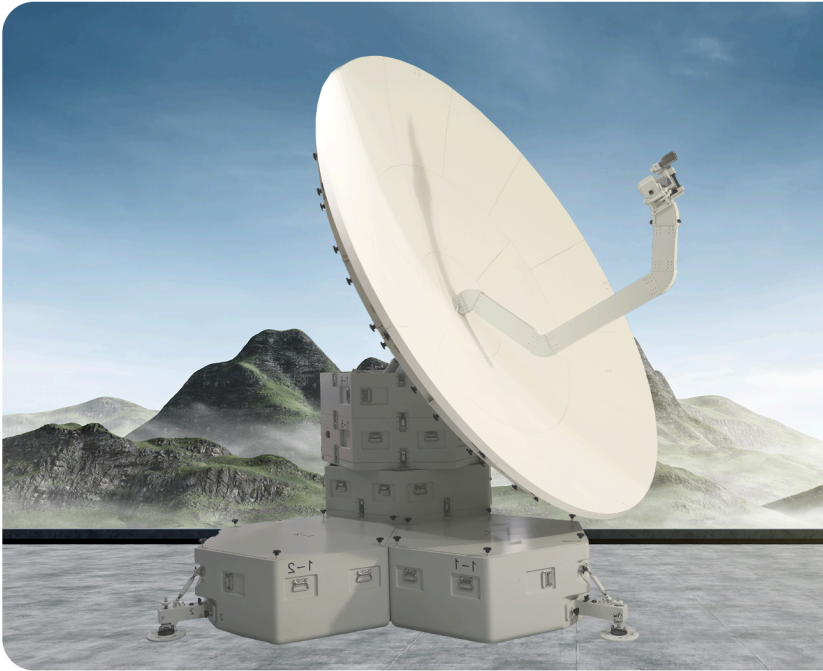




Size:

3.70m

PFA-370

Carbon-Fiber Construction

Built around a 3.7m reflector assembled from 19 carbon-fiber panels, the PFA-370 delivers outstanding gain and transmission efficiency. The modular design supports C, X, Ku, and Ka bands, multiple feed options (RxO, Tx/Rx, 2-port or multi-port), and circular or linear polarization. Interchangeable feed arms allow full customization for diverse mission requirements.

Military-Grade Control

The motorized PFA-370 integrates with the PALS PAC-550-MIL military antenna controller. It features GPS, position detection, polarization adjustment, servo drive, and a high-performance beacon receiver. Users can acquire satellites manually, automatically, or with one-button capture.

Rapid Deployment

Two personnel can deploy it within 30 minutes; all components fit into nine transport cases that are easily carried by two people. Feed design guarantees high gain, low sidelobes, and consistent RF performance.

Key Features

- C, X, Ku, Ka Bands available
- Multiple mount options (mobile, pedestal, tactical, tripod, trailer mounts)
- 19 reflector panels (carbon-fiber)
- 9 transport cases (standard)
- Supports OpenAmip
- Manual drive tool kit for emergency situations
- Optional Beacon Tracking
- Optional De-ice System
- Optional 4G/ SG /LTE supported modem for load balancing and bonding



Scan the QR code for more information.

TECHNICAL SPECIFICATIONS / PFA-370

GENERAL SPECIFICATIONS

Reflector Diameter
Reflector Type
Reflector Material
Operation On-Air Time
Antenna Concept

PFA-370

3.7m
Circular, axially symmetric with 19 carbon-fiber panels, prime focus feed
Carbon-Fiber
~5 Minutes after Set-Up
Portable, segmented type

RF CHARACTERISTIC

Frequency (GHz) Tx
Frequency (GHz) Rx
Antenna Gain (dBi) Tx
Antenna Gain (dBi) Rx
Polarization
Radiation Pattern Compliancy

C-Band

X-Band

Ku-Band

Ka-Band

5.85~6.42	790~8.40	13.75~14.50	27.5~31.0
3.62~4.20	7.25~7.75	10.70~12.75	17.7~21.2
45.1 @6.00 GHz	47.7 @8.15 GHz	52.6 dBi @ Midband	58.3 @30.00GHz
41.6 @4.00 GHz	47.0 @7.50 GHz	51 dBi @Midband	54.8 @20.00GHz
Circular	Circular	Linear (Optional Circular)	Circular
Compliant with MIL-STD-188-164A, ITU - RS-580 and ITU-RS-465-6			

MECHANICAL SPECIFICATIONS

Drive Rates
Antenna Travels
Manual Override Mechanism
Mount Type
Operational Limits

Azimuth

Elevation

Polarization

0.3°/s	0.5° /s	0.5°/s
± 180°	0° to 90°	±90°
Manual override for elevation and azimuth drive system		
Elevation over Azimuth		
Hardware and software settable		

ENVIRONMENTAL SPECIFICATIONS

Temperature Range Operational
Temperature Range Survival
Wind Speed Operational
Wind Speed Survival
Humidity (Relative)
Altitude

PFA-370

-30°C to +60°C
-40°C to +70°C
60 km/h (optional 72 km/h with pedestal mount)
120 km/h (optional 150 km/h with pedestal mount)
0-100%
4000 m

Specifications are subject to change.

