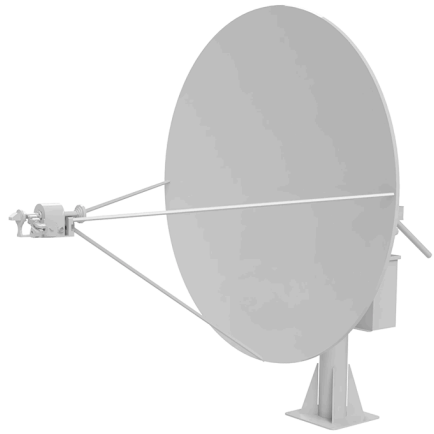

Size: 3.80m

PFMA-380

Precision Tracking for Dynamic Environments

The Pals PFMA-380 is a high-performance antenna system designed for demanding applications that require precise tracking and operation within complex, dynamic environments. Its robust engineering ensures reliable performance where accuracy is critical.

Intuitive Control with the PAC-700

Central to its capability is the PAC-700 Antenna Controller. This advanced system provides user-friendly, precise management of all motorized functions. It features a cutting-edge automatic positioning system with an intuitive, menu-driven interface, allowing for accurate antenna alignment with minimal operator input.

Future-Ready Design

Designed for versatility, the PAC-700 is compatible with nearly any antenna, broadening its range of applications. It includes a modern Ethernet interface for easy connectivity and control. Furthermore, its upgradeable architecture ensures your investment remains protected against future technological advancements.

Key Features

- C, X and Ku Bands available
- Fully Automated Satellite Signal Acquision within 3 minutes
- Variable speed motor control for driving the AZ and EL axis
- Fully Automated Satellite Signal Acquision in 3 min.
- Satellite Memory Tracking
- Integrated AGC Receiver for Modem Integration
- Emergency Stop Button
- Integrated DVB-S/S2 Receiver
- Integrated Beacon Receiver (Optional)*
- Fiber, Ethernet and serial interfaces
- User Configurable Target Pointing

PALS® | Communications & Technology

Robust Three Axis Antenna Mount

TECHNICAL SPECIFICATIONS / PFMA-380

Scan the QR code for more information.

GENERAL SPECIFICATIONS	PFMA-380
Reflector Diameter	3.8m
Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	Offset Prime Focus

RF CHARACTERISTIC	C-Band	X-Band	Ku-Band
Frequency (GHz) Tx	5.845 ~ 6.425	5.85~6.72	13.75 ~14.5
Frequency (GHz) Rx	3.625 ~ 4.20	3.7~4.2	10.70 ~ 12.75
Antenna Gain (±0.2 dBi) Tx	46.30	47.2	53.0
Antenna Gain (±0.2 dBi) Rx	41.80	43.8	51.2
Cross Pol. Isolation Tx	17.70	18.80	35.00
Cross Pol. Isolation Rx	15.00	23.20	25.00
Antenna Noise Temperature (K) 5° Elevation	62	60	70
Antenna Noise Temperature (K) ° 10 Elevation	52	51	60
Antenna Noise Temperature (K) ° 20 Elevation	45	47	55
Antenna Noise Temperature (K) ° 40 Elevation	43	47	45
VSWR Tx	1.3:1	1.25:1	1.3:1
Power Capability Tx	1kW	2kW	1kW
Feed Interface Tx	CPR-137	WR-112	WR-75
Feed Interface Rx	CPR-229	WR-112	WR-75

MECHANICAL SPECIFICATIONS	Ku-Band	Ka-Band
Antenna Motion Range	± 110°	5~90°
Antenna Speed	0.025 ~ 1°/S	0.025 ~ 0.4°/S
Power Supply	AC110~230V 50/60Hz	
Motor	DC Motor	

ENVIRONMENTAL SPECIFICATIONS	PFMA-380
Temperature Range Operational	-15°C +50°C
Temperature Range Survival	-40°C +60°C
Wind Speed Operational	72 km/h to 97km/h
Wind Speed Survival	200 km/h
Relative Humidity	0% to 98%

Specifications are subject to change.

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