



Size:

2.40m

## PDA-240

### Versatile Operation for Any Scenario

The PDA-240 supports manual, auto, and one-button functions, offering maximum flexibility for field operators. It ensures reliable, high-performance transmission for demanding applications including DSNG, disaster relief, emergency communications, and network deployment.

### Precision Engineering for Superior Performance

Featuring a precision reflector surface, the PDA-240 delivers remarkably low sidelobes and excellent cross-polar performance. The three-axis positioner enables full antenna rotation with an entirely backlash-free drive system across elevation, azimuth, and polarization axes, ensuring pinpoint accuracy.

### Rugged Design for Uninterrupted Connectivity

Its lightweight yet highly durable structure, combined with an aerodynamic profile, provides exceptional wind load resistance. This robust design guarantees uninterrupted satellite communication in any location, even under the most challenging environmental conditions.

### Key Features

- Available in C, X, Ku, Ka Bands
- Strong yet lightweight Carbon-Fiber design
- High EIRP
- High gain and very good cross-polar rejection (> 35 db)
- Integrated DVB-S/S2 & Beacon Receiver
- 0,01° pointing accuracy with resolvers at 3 axes
- Supports OpenAmip
- Optional Beacon
- Optional De-Ice System
- Optional 4G/5G/LTE supported modem for load balancing and bonding solutions





GENERAL SPECIFICATIONS

Reflector Diameter	2.4m
Reflector Type	Gregorian Offset
Operation On-Air Time	~3 Minutes
Antenna Concept	Gregorian dual offset antenna with 2.4m elliptical carbon-fiber main reflector, folding feed-arm, fixed sub-reflector

RF CHARACTERISTIC

	C-Band	Ku-Band
Frequency (GHz) Tx	5.85~6.725	13.75~14.50
Frequency (GHz) Rx	3.4~4.26	10.7~12.75
Antenna Gain (±0.2 dBi) Tx	41.5	48.8
Antenna Gain (±0.2 dBi) Rx	37.7	47.7
EIRP	67.52dBW with 400W TWTA	64.8dBW with 40W BUC / 68.8dBW with 100W BUC
CPI (On Axis, linear)	30dB	35dB
Polarization		Linear
VSWR	1.3	1.3

MECHANICAL SPECIFICATIONS

	Azimuth	Elevation	Polarization
Antenna Drive Rates	0.1°/S~3°/S	0.1°/S~3°/S	0.1°/S~6°/S
Antenna Travel Range	± 200°	10°~90°	+90°
Manual Override Mechanism	Manual override for elevation and azimuth drive system		

ENVIRONMENTAL SPECIFICATIONS

Temperature Range Operational	-20°C~+55°C
Temperature Range Survival	-30°C~+70°C
Wind Speed Operational	72 km/h
Wind Speed Survival	90 km/h
Wind Speed Unstowed	95 km/h
Wind Speed Stowed	115 km/h
Humidity (Relative)	0-95%

Specifications are subject to change.

