



## 4.0M Tri-folder Antenna (LG4000I-G)



### Highlight

- Support manual, auto and one button functions;
- Side wing electric deploy and stow;
- Carbon fiber reflector with light weight, high strength and high accuracy;
- Convenient installation on the top of vehicle;
- Support DVB-S, DVB-S2, beacon and modem in satellite locking within 15 minutes;
- Excellent reliability, maintainability and environmental suitability and suit for the use in the field and buran road condition;
- High accuracy GPS and strong anti-interference of electronic compass assure environmental suitability of pointing function and accuracy of program pointing;
- Multiple protection functions as automatic warning, mechanical limit and software limit for safer operation of the antenna;



## Technical Specification

<b>Model No</b>		LG4000I-G
		Ku band
Operational Frequency	Tx	13.75~14.5 GHz
	Rx	10.7~12.75 GHz
Gain (Mid Band)	Tx	53.3+20lg (f/14.25) dB
	Rx	52.1+20lg (f/12.5) dB
Polarization		linear
CPI (On Axis, linear)		35 dB
VSWR		Tx:1.4; Rx:1.5
Isolation		85dB
Power capability		400W
Feed Interface		WR75
Side Lobe		-14 dB (first side lobe)
Feed Type		Ring focus
Reflector Aperture		4.0m
Reflector Material		Carbon fiber
Travel Range	Azimuth	± 110°
	Elevation	0°~90°
	Polarization	± 90°
Travel Speed	Azimuth	0.1° /S ~3° /S
	Elevation	0.1° /S ~0.4° /S
	Pol	0.1° /S ~3° /S
Auto acquisition time		15 minutes (including deploying time)
Operating Wind Loading		48-72km/h (max 20m/s)
Survival wind Loading (Stow)		201km/h (56m/s)
Power Supply		100~240VAC, 50/60Hz
System weight		<2000 kg
Operating Temperature		-25℃ ~+55℃
Storage temperature		-40℃ ~+60℃
Survival rainfall		102mm/h
Shock &vibration		Same as air, rail, and road transportation
Relative Humidity		0-95%