



ELECTRICAL SPECIFICATION

Diameter		1.0m
Operating Frequency	Tx	13.75-14.5GHz
	Rx	10.95-12.75GHz
Gain	Tx	> 40.7 dBi
	Rx	> 39.6 dBi
Polarization		Linear
Cross Polarization	Tx	> 30 dB
	Rx	> 30 dB
VSWR	Tx	1.3
	Rx	1.3

Power	200W	
Feed Interface	WR75	
Rx/Tx Isolation	Rx > 40dB, Tx > 85dB	
Sidelobe	First sidelobe < -14 dBi $29-25\log\theta$ ($1^\circ \leq \theta < 20^\circ$) $32-25\log\theta$ ($20^\circ \leq \theta < 48^\circ$) -10 dBi ($\theta \geq 48^\circ$)	
Mechanical Specification		
Antenna Type	Offset antenna	
Antenna material	Carbon Fiber	
Weight	≤15Kg	
Captured time automatically	3min	
Travel Pointing Range	Azimuth	± 100°
	Elevation	10°~ 90°
	Polarizaiton	±95°
Environmental Specification		
Wind load operational	11m/s (free standing unit)20m/s (anchored unit)	
Work temperature	Indoor	-40□ – +70□
	Outdoor	-20□ – +40□

