

1.2M Ku Band Automatically Flyaway Antenna

1. light weight
2. highly integrated
3. High strength, high sealing performance and high reliability
4. Easy to operate, two control modes

Operation Frequency	Tx	14.0-14.5 GHz
	Rx	12.25-12.75GHz
VSWR	Tx	1.25:1(max)
	Rx	1.25:1(max)
Polarization		Linear
Gain	Tx	>42.5dBi
	Rx	>41.5dBi
3dB beamwidth	Tx	1.2°
	Rx	1.38°
Cross-polarization	Tx	>30dB
	Rx	>30dB
Power		100W
Feed Interface		WR75
Rx/Tx Isolation		Rx >40dB Tx >85dB
Sidelobe		Azimuth 1-20° 29-25 log θ dBi First sidelobe <-20dB
Wind load operational		11m/s (free standing unit) 20m/s (anchored unit)
Work temperature	indoor	-40° C ~ +70° C (-40° F to +158° F)
	outdoor	-20° C ~ +40° C (-4° F to +104° F)
Antenna Type		Offset antenna
Main reflector material		Carbon fiber
Weight		≤40Kg
Acquisition satellite time		3min
Slewing area	Elevation	10°-90°
	Azimuth	±100° in 0.1° step
	Polarization	±95° in 0.1° step