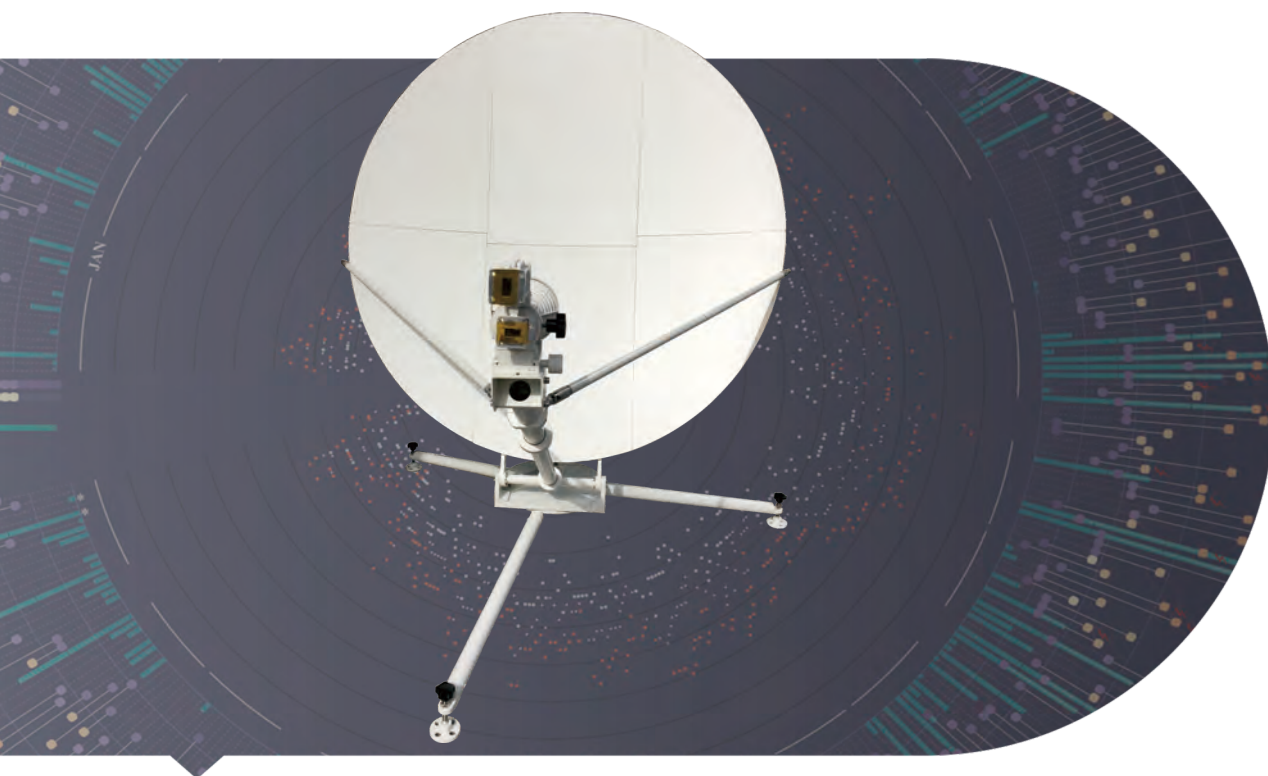


# FLYAWAY ANTENNA MOTORIZED

## QUICK DEPLOY ANTENNA



### → Features

- Manual, motorized and driveway
- High precision antenna mount
- Light weight
- Carbon fiber reflectors available in 0.75 to 4.5 Meter
- Low side lobes
- High gain

### → Description

Dolph Microwave Flyaway Antenna, Motorized Quick Deploy and driveway antenna is light weight, optional in diameter, port, polarization. Frequency covering L, S, C, X, Ku, Ka. Single band and dual band can be selected. Both manual and motorized are available. Tracking and control mode can be selected. Both standard and customized can be chosen upon request.

### RF & Antenna Specifications

Aperture	1.0 Meter	1.2 Meter	1.5 Meter	1.8 Meter	2.4 Meter
Reflector Type	Offset/Ring focus	Offset/Ring focus	Offset	Offset	Gregory Dual Offset
Optional Freq. Band Tx/Rx, GHz	X-band	7.90-8.40	7.25-7.75	C-band	5.85-6.725 3.40-4.20
	Ku-band	13.75-14.5	10.7-12.75	Ku-band	13.75-14.5 10.7-12.75
	Ka-band	27.5~31.0	17.7~21.2	Ka-band	27.5~31.0 17.7~21.2
VSWR	≤1.25				
Axis Ratio, dB	≤1.5				
Cross Pol Iso, dB	≥35 dB (Axis) ≥32dB (-1dB)				
Tx/Rx Iso, dB	≥85				
First Side Lobe	≤-14 dB				
Side Lobe	29-25logθ (1° ≤θ <20°)		32-25logθ (20° ≤θ <48°)		-10 dB (θ ≥48°)
Feed Ports	2				
Feed Interface	WR112 WR75 WR28/42		WR137/229 WR75 WR28/42		

### Mechanical & Environmental Specifications

Material	Carbon Fiber		
Pointing Type	Manual/Motorized		
Antenna Coverage	Azimuth: ±180°	Elevation: 10°-90°	Polarization: ±95°
Axes Velocities	Azimuth: 0.01°/S-3°/S	Elevation: 0.01°/S-3°/S	Polarization: 1° /S
Power Supply	DC 24 V 10A, AC110-230V 50/60Hz 5A (Optional)		
Operational Wind	65km/h (40mph) with ballast		
Temperature	-40° C to +50° C		
Protection Grade	IP65 (Dust and Water Resistant)		
Humidity	0-98%		

### Ordering Information

#### DH 1.2 Meter QD Ku-band Antenna

DH	Dolph Microwave
1.2	Aperture
QD	Quick Deployable
QDA	Quick Deploy Auto-Acquire
VM	Vehicle-Mount / Drive Away SNG
C	C-band
Ku	Ku-band
Ka	Ka-band
C/Ku	Dual-band