

**China Starwin 2.4M C&Ku Band Flyaway Antenna Datasheet**



## Description

China Starwin 2.4 m flyaway manual antenna is specially designed for highly portable antenna by adopting aluminum material in light weight, packed in 2 cases and can be assembled in less than 15 minutes by one person. It can provide users exceptional performance in high gain and low sidelobe.

## Features

- Aluminum antenna reflector with light weight, high precision and high efficiency, corrosion resistance and other characteristics, it ensured the antenna in the normal operation under harsh environment in greatest degree.
- Compact structure, Lightweight, portable, rapid deployment, high performance, a person can install within 15 minutes, available in 2 cases
- Designed specifically for field use, regardless of when and where, it can quickly transfer high-quality broadband content.

## Applications

- Sudden public events and all kinds of disasters on-site information gathering
- Disaster relief
- Public security, military, government, oil, water conservancy, electricity, finance and other important sectors of the country
- The remote areas and the vast rural areas out of coverage
- Field operations, exploration, military police and news media

## Electrical, Mechanical, Environmental Specification

### Electrical Specification

Type	SW24CFW		SW24CFW	
Operating Frequency, GHz	C-Band		Ku-Band	
	Receive	Transmit	Receive	Transmit
	3.4~4.2	5.85~6.425	10.95~12.75	13.75~14.5
Gain, Mid-band, dBi	38.2	42.1	47.6	49.0
Polarization	Linear/Circular		Linear	
XPD (on Axis), dB	35	35	35	35
-3 dB Beam Width, Mid-band	2.0°	1.3°	0.71°	0.62°
Tx. Power Capability, KW		5		5
Feed Interface	CPR—229G	CPR—137G	WR-75	WR-75
Feed Insertion Loss, dB	0.15	0.17	0.25	0.3

**China Starwin Science&Technology Co., Ltd.**

Tel:+8629-88664381,E-mail:[sales@starwincom.com](mailto:sales@starwincom.com),<http://www.starwincom.com>

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Isolation, Tx to Rx, dB	85	85
First Side lobe	-14db	-14dB

### Mechanical Specification

Antenna Diameter	2.4m
Antenna Type	Offset
Surface Accuracy (RMS)	≤0.35mm
Antenna material	Aluminum (Reflector), Stainless Steel (Support)
Antenna Pointing Range	Azimuth: 0°~360° (Compass display) Elevation: 5°~90° (Angle display & minor adjustment) Polarization: 180°
Drive Mode	Manual

### Environmental Specification

Operational Wind	20m/s
Temperature	-40°~+60°
Relative Humidity	100%
Solar Radiation	360BTY/H/ft <sup>2</sup>
Rain (Operational and Survival)	16cm/hour