



## 1.8M FLYAWAY ANTENNA DATA SHEET



The Ruman tech lightweight 1.8m flyaway antenna is designed for transmit and receive in C/Ku band. The portable antenna consist of composite reflectors and tripod base mount. Repeatability maintained with precision registration of the 4-piece reflector segments and support structure. The complete 1.8meter antenna system is packaged in two portable box or two bags.

### Features:

- \* Tripod base mount
  - \* Less than 5-minutes setup
  - \* No tools required
  - \* High performance
  - \* Extended C-band is available
- C-Receive 3.4 - 4.2 GHz  
C-Transmit 5.845 - 6.725 GHz

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RF SPECIFICATIONS				
SPECIFICATIONS	C Band		Ku Band	
	RECEIVE	TRANSMIT	RECEIVE	TRANSMIT
Frequency	3.625~4.2GHz	5.85~6.425GHz	10.95~12.75GHz	14~14.5GHz
Gain	35.3db	39.5db	45.0db	46.3db
VSWR	1.25:1			
Feed Inter face	CPR-229G	CPR-159G/137G	WR-75	WR-75
Feed Insertion Loss	0.15dB	0.17dB	0.35dB	0.35dB
Tx Port To Rx Port Isolation	85dB			
Cross-Polarization Isolation On Axis	30dB		35dB	
Sidelobes: Fist Sidelobe $1^{\circ} \leq \theta \leq 180^{\circ}$	-14dB 32-25 LogAdb		-14dB 29-25 LogAdb	

MECHANICAL SPECIFICATIONS	
Azimuth Travel Range	$\pm 360^{\circ}$
Elevation Travel Range	$8^{\circ} \sim 90^{\circ}$
Polarization Travel Range	$\pm 360^{\circ}$
Weight	55kg
Finish of Reflector	aluminium alloy

ENVIRONMENTAL SPECIFICATIONS	
Operational With Speed	25m/s
Survival Wind Speed	56m/s
Ambient Temperature	$-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Relative Humidity	0%~100%
Solar Radiation	360BTU/h/ft <sup>2</sup>