2.4M FLYAWAY

Antenna System (C-Band)

The 2.4m FlyAway antenna is designed for lightweight portable worldwide transmit operations. This antenna system consists of Carbon Fiber reflector and an aluminium tripod base mount that results in high performances rigid antenna especially suited for hard environmental conditions.
A quick swap feedarm assembly makes really easy the change of frequency bands operations from C to Ku band. The unique shape and the accurate segmented reflector surface provide good sidelobes and cross polarization performances. Repeatability is maintained with precision registration of the nine reflector segments and the feed support structure. All the models are provided with a 2-Port Feed as a standard.

Carbon Fiber Reflector
- Light Weight
- Segmented (9 pcs)
- Precision Surface
- High Stiffness

Easy Deployment
- One-Person Assembly
- Captive Hardware
- Precision Alignment

INTELSAT & EUTELSAT Compliant

High Performances
- Low Sidelobes
- High E.I.R.P. Capability

General Features

Electrical

Tx/Rx Side	29 – 25 logθ
XPD	≥35dB on axis, ≥30dB 1dB contour
Tx/Rx Isolation	70dB with TRF (110dB available)
VSWR	1.3:1
Antenna Optics	Ring Focus

Mechanical

Mount Type	Elevation over Azimuth Tripod
Elevation Adjustment	5° to 85° Continuos, Fine
Azimuth Adjustment	± 20° Continuous
Polarization Adjustment	± 90° Continuous

Environmental

Wind Loading (With Ballast or Anchors)	Operational	40 km/h
	Survival	100 km/h
Temperature	Operational	–20° to +55°C
	Survival	–40° to +65°C
Operational Humidity	95% non–condensing	

Specifications: 2.4m FlyAway Antenna (C-Band)

C-Band	C-band Linear		C-Band Circular	
	Receive	Transmit	Receive	Transmit
Frequency (GHz)	3.6 - 4.2	5.85 - 6.425 (*)	3.6 - 4.2	5.85 - 6.425
Feed Interface	WR229	WR137 or N	WR229	WR137 or N
Midband Gain	38.2dBi	42dBi	38.2dBi	42dBi

(*) Extended Transmit Frequency band as an option: 5.85 – 6.725GHz
(**) INSAT C–Band available

Ku-Band

	Receive	Transmit
Frequency (GHz)	10.95 – 12.75 (*)	13.75 – 14.5
Feed Interface	WR75	WR75
Midband Gain	47.5dBi	49.1dBi

(*) Extended Receive Frequency band as an option: 10.7 – 12.75GHz

X and K Bands available

2.4m Ring Focus Hardcases:
Total 3 cases

Reflector case:
Weight: 54 Kg
Size: 112x72x112 cm

Feed and Feedarm case:
Weight: 36 Kg
Size: 110x46x75 cm

Tripod case:
Weight: 50 Kg
Size: 120x51x56 cm

Reflector Case

Feed and Feedarm Case

Tripod Case

Transportable HardCases

All devices are included into three hardcases constructed for aircraft transportation and IATA compliant. Hardware consists of spring loaded recessed handles with Heavy Duty latches and full piano hinges.

The cases are lined with closed cell high density foam and the parts are custom fit and supported with the foam for extra protection.
Each case is waterproof.
Custom colors may be available.

ATCi Corporate Office
450 N McKemy • Chandler, AZ 85226 • t 480.844.8501 • f 480.898.7667 • www.atci.com