

Flyaway 2.4m FLY-240-M/F-KL-E

The **Temix FLY-240-M/F-KL-E 2.4m Flyaway Antenna** is designed for the lightest portable worldwide transmit operations in **Single DBS-Band, or Dual, Tri and Quad-Bands (C, X, Ku, Ka)**.

This antenna system, with Manual or Full Motion drive system, consists of a Segmented Carbon Fiber reflector and a robust aluminium tripod base mount that results in a high performance rigid antenna especially suited for hard environmental conditions.



- **Assembling "100% Tools Free".**
- **Set-up Time in less than 10 minutes.**

The unique shape and the accurate reflector surface provide excellent sidelobes and cross polarization performance. Repeatability is maintained with precision registration of the 8 reflector segments and the feed support structure. All the models are provided with a 2-Port Feed as standard (4-ports optional). In Dual, Tri and Quad-Band configuration the Feeds are interchangeable on field, fast and No-Tools.

Fully 3-Axes Autopointing System:

the 240cm Full Motion Flyaway is fully motorized and together with the Antenna Control Unit can automatically perform the satellite Autopointing including Stow & Deploy, Peaking and Tracking (Step-Track), Inclined Orbit satellites Tracking; includes GPS & Inclinometer, Angle Transducers and Hardware Limit Switches.



Transit Cases:

all devices are packed into **three hardcases** (or four cases depending on additional feeds) constructed for aircraft transportation. The cases are lined with closed cell high density foam and the parts are custom fit and supported with the foam for extra protection.



Military or Standard HardCases

Main Features

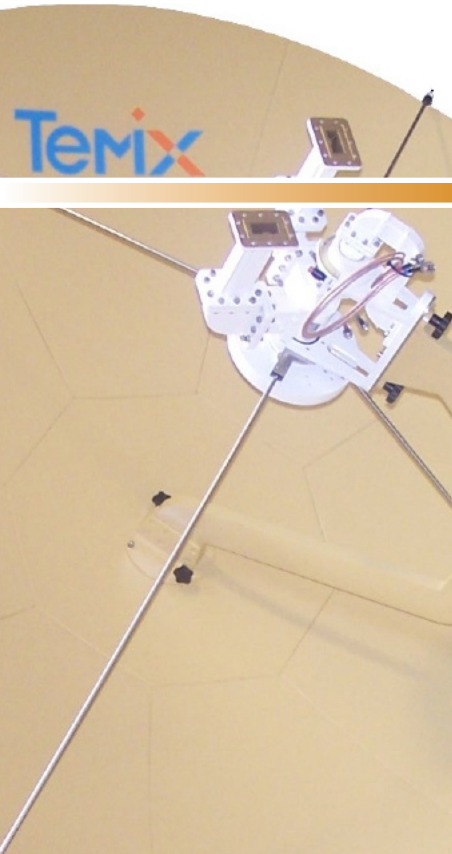
- **Carbon Fiber Reflector**
 - Precision Surface
 - High Stiffness
- **Easy Deployment**
 - Optimized Weight matching best strength
 - Captive Hardware
 - Precision Alignment
- **High Performance**
 - Low Sidelobes
 - High E.I.R.P. Capability
- **Compliances:**
 - EESS-502, IEES-601E,
 - MIL-STD-188-164B
 - MIL-STD-810G

*The Information included in this data sheet may be changed without advise. rev_01/16

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Flyaway 2.4m FLY-240-M/F-KL-E

	DBS-Band
Polarization	Linear
Frequency Range	Rx: 10.95-12.75 GHz; Tx: 17.30-18.40 GHz
Gain (mid band)	Rx: 47.1 dBi; Tx: 51.0 dBi
G/T	26.3 dB/K (50K LNB, 10° EL, Clear Sky)
Cross Pol Isolation	> 35 dB 1dB Contour
Isolation Tx/Rx	90 dB; 35 dB
Insertion Loss Tx/Rx	0.35 dB; 0.25 dB
Return Loss Tx/Rx	> 17.0 dB typ (Rx/Tx)
Physical:	
Feed Interfaces	Rx: WR75; Tx: WR62
Optic Geometry	Dual Optic Center Focus
Mount Geometry	Elevation over Azimuth Tripod
Travel Range	
Manual & Full Motion Drive	AZ: 360°; EL: 5° to 90°; POL: +/-110° (Linear Polarization) Continuous
Drive Speed	2°/sec deploy; 0.2°/sec peaking (Adjustable)
Antenna Controller	Automatic Stow & Deploy, Autopointing with GPS, Compass & Inclinometer, Peaking & Step-Track Tracking suitable for Inclined Orbit Satellites. Antenna Control Unit for Accurate Antenna AutoPointing. Satellite Preset (Move to SAT, Move to Angle); Manual Positioning. Beacon Receiver (optional). Angle Readout AZ/EP/POL 0.01° Resolution. Ethernet SNMP Interface (optional: RS232, RS422, RS485, Web Browser)
Environmental:	
Wind	Operational 60km/h (with ballasts or anchors) gusting to 80km/h; Survival 100km/h stowed (EL 90°)
Temperature	Operational -20°/50°C; Storage -30°/60°C; (optional: -32°/55°C Operational, -40°/70°C Storage)
Humidity	100% Condensing
Altitude	up to 5000m
Colors	White RAL9010 gloss 5 (standard); Green, Desert or other colors optional

Other Features:

Transit Cases:

Weight & Dimensions

- #1: 100x33x134cm, 46Kg (panels)
- #2: 100x33x134cm, 46Kg (panels)
- #3: 120x55x52cm, 60Kg (mount)
- #4: 120x55x52cm, 41Kg (feed)

M= Manual Drive
F= Full Motion Drive

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Option: Military Standard Equipment FlightCases with shock absorbers, Rear I/O Interface Panel, Power Distribution Unit.

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