



# FlyAway

## Mobile-Uplink Systems (Ku-Band)

### Features

- Excellent Value – Better Value and Lower Operating Costs Than Any Competing Uplink Systems
- Portable – Air Craft Baggage Shippable
- Fast Response – Dependable, Reliable Alignment, Set Up and Operation
- Rugged – Designed For Harsh Environments
- Fast Deployment – Can Be Installed by Only One Person
- Easy Operation – Easy Front Access to All the System's Input's, Outputs and Monitoring Ports
- Universal System – System Accommodates World Voltages and Color Standards
- Reliability – Our Systems are 100% Field Tested

### Applications

News Agencies, Universities, Corporations, Religious Institutions, Any Entity that Needs Fast and Temporary Satellite Access

### Excellent Value, Rugged, Reliable Uplink System

ATCi introduces FLY AWAY Mobile-Uplink System, a totally new, cost-effective concept in C & Ku-Band portable systems for quick, dependable satellite communication response. The ATCi Fly Away Mobile-Uplink System is a complete C or Ku-Band portable satellite terminal system capable of uplinking any video content over satellite.

Complete Fly Away mobile-Uplink System includes: C or Ku TX/RX antenna, SSPA, Upconverter, modulator, encoder, multiplexer, IRD, access panel, complete integration and Spectrum Analyzer test unit. All for a very economical price.

### FLY AWAY Mobile-Uplink System Takes Lightweight and Convenience to a Whole New Level

The portable system consists of 3 boxes, 2 of which hold the antenna (see picture) and the third box houses the electronic equipment. In addition to it's superior performance, the antenna system is lightweight with minimum parts for fast deployment. The system's electronics is housed in a rugged portable rack with shock mounts and wheels (removable) for protection and ease of movement both onsite and offsite. Just hookup your video and audio source to the front panel, direct your antenna and start broadcasting!

*Packages customized per customer requirements.*

**Antenna:**

Size: 1.2m  
Band: Ku band (13.75-14.5 GHz TX, 10.7-12.75 GHz Rx)  
Gain: 43.5 dBi  
Feed interface: WR75 or N-type coax  
Noise Temperature: 53 K @ 30 degrees elevation  
Transmit cross polarization: 35 dB

**RF and Encoding system (electronics in rack):**

Frequency range: 14-14.5 GHz  
RF power output: 80-100 Watts  
Modulation scheme: QPSK  
Maximum data rate: 17.5 Mbps  
FEC: 1/2, 3/4, 5/6, 7/8  
Video Format: NTSC, PAL  
Video input: Analog composite or Digital SDI  
Closed caption: Supported

**Monitoring system:**

The following test points are available:

- 1) LNB output
- 2) Modulator: L band output
- 3) Transmitter: Ku band output @ 40 dB attenuation
- 4) IRD: Analog and ASI output