



# 75KaSat

## KA-band Flyaway Antenna

### WHITE PAPER

**Ideal for rapid, long and short term deployments for both Newsgathering and Disaster Recovery assignments, the 75KaSat is a high performance, flyaway antenna for use with all Ka band satellites.**

#### Features

- 4 segment high efficiency offset carbon fibre reflector
- Single person deployable without tools in one minute
- Packs into a single sub-23Kg case IATA Compliant case
- Battery powered with Integrated modem

#### Reflector

The 75cm carbon-fibre reflector is precision engineered to maintain surface accuracy through repeated deployments.

#### Packaging

The antenna, tripod, transceiver, modem and batteries pack into a single foam padded case that provides maximum protection but adds the minimum additional weight. Weighing less than 23kg limit for checked baggage, it complies with current IATA airline luggage regulations.

#### Tripod & Mount

The tripod and antenna mount are tightly integrated into only 4 pieces, delivering precision, dependability and ease of deployment in a lightweight package.

#### NEW Interchangeable Modem & TRIA package

Both modem pack and TRIA (integrated feed and transceiver package) are interchangeable to ensure compatibility with all current Ka-Band High Throughput Satellite platforms.



[www.itbroadcast.eu](http://www.itbroadcast.eu)

+361 452 1055 | [broadcast@infoteka.hu](mailto:broadcast@infoteka.hu)



Copyright © 2013 Infotéka Software Kft.

## Deployment

Assembly is a straightforward one minute process requiring no additional tools.

- Remove the components from the foam-lined case.
- Adjust the centre gimbal mount using built-in spirit level so that the mount is level.
- Fit reflector petals, fold out feed assembly and attach battery pack.
- Preset satellite elevation on feed-arm inclinometer scale and correct antenna elevation to match.
- Follow modem-specific "install" procedure and determine an optimum azimuth point.
- Lock off azimuth axis and fine tune elevation using receive Eb/No reading from modem.
- Allow terminal to complete automatic network log-in process.
- Prepare for your live transmission!



ANTENNA SPECIFICATIONS	RECEIVE	TRANSMIT
Antenna	4 Segment, 75cm carbon fibre reflector, Prime focus offset	
Operating Frequency	18,3 – 20,2 GHz	28,1 – 30,3 GHz
EIRP	48 dBW	
Antenna Pointing	0°- 90° 360°	
Range Elevation		
Azimuth		
Temperature	-10 °C to +50 °C	
Wind Speed Max Operation	75km/h (with ballast) 30km/h (w/o ballast)	