

# TP-150V

## 1.2m Ku Band Flyaway Antenna



### VSAT Flyaway Antenna System



The TP-150V data delivery fly-away antenna system from Holkirk is designed to excel in today's increasingly demanding IP market place.

With a well proven track record the TP series of antennas provide simple, fast, light weight and accurate satellite acquisition either as a manually controlled mount or as a fully auto-pointing motorised system operating in the harshest applications.

This user friendly, compact and light-weight antenna is available in Ku band combined with a variety of Tx power levels and can be operated globally, controlled either by a local hand held interface or via a touch GUI screen making the TP150V simple to set-up and operate even in adverse weather conditions or hostile environments .

The light weight but sturdy tripod design includes a truly versatile HPA cradle which can accommodate a range of 3<sup>rd</sup> party amplifiers up 200w in Ku band, neatly eradicating the need for long lengths of flexible waveguide.

The main reflector is manufactured from high quality carbon fibre that employs a revolutionary spherical dowel locking mechanism to ensure perfect alignment.

**1.2m High accuracy carbon fibre reflector**

**Wide selection of Tx power options**

**Fully auto-pointing options**

**No assembly tools required**

**BUC mounting on boom or on elevation head**

**Manual over rides on all 3 axis**

**Quick connect waveguide couplers**

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# TP-120V

## 1.2m Ku Band Flyaway Antenna

### SPECIFICATION

#### Antenna

Reflector material	-	8 segment, 1.5m carbon fibre
f/D	-	0.8
Geometry	-	Single offset
Ambient Temperature		
Operational	-	-20°C to +55°C
Storage	-	-40°C to +70°C
Solar Radiation	-	1,200 W/m <sup>2</sup>
Operating Humidity	-	100% Condensing
Altitude		
Operational	-	Up to 3,000m (9,850 ft)
Survival	-	Up to 10,000m (32,800 ft)
Wind Speed		
Operational	-	30 mph (48 kph)
Survival	-	60 mph (98 kph)
Azimuth Range	-	Continuous 360° Manual, ± 90° Auto-point
Elevation Range	-	5 - 90°
Polarisation	-	± 95°
Packaging	-	5 cases <23kg IATA

#### Electrical Data

##### Ku Band

Gain Rx	-43.7 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-45.5 dBi
Frequency	-13.75 to 14.5 GHz

#### Accessories

Manual jog, auto-acquire or inclined orbit tracking controller  
| RF mounting options | High stability LNB | Sand Shoes

