

TP-Netcaster Flyaway Antenna System

- **1.2m / 1.5m antenna system**
- **LNB (high stability-single band)**
- **3W, 4W, and 6W BUC options**
- **Compact and robust**
- **Full auto-pointing options**

The **TP-Netcaster** antenna system from Holkirk is renowned for its compact size, lightweight and powerful performance, based on the Broadcaster range, the TP-Netcaster has been designed to excel in today's increasingly demanding IP delivery market place.

The TP-Netcaster range incorporates the antenna, BUC, LNB and cross-site cables. The components of the system are housed in IATA airline checkable transport cases. There are no tools required to assemble and operate the system, making the TP-Netcaster fast and reliable for quick deploy applications.

Easy of use

The user friendly modular design of the TP-Netcaster antenna allows for simple, fast and accurate location and acquisition of the satellite, either configured as a manual point, 3 axis jog control or full auto-pointing with inclined orbit tracking.

The system is totally modem agnostic and has been deployed worldwide with all modern IP modem solutions.

The IP modem can be integrated with an IP router and wireless hub into a rugged lightweight flight case to form a highly efficient wireless hot spot or remote office.



IP transit case – mobile office



BUC Options

The low power BUC mounts directly onto feed arm with Holkirk quick release couplings. The DC and 10MHz will be supplied from the modem.

Range: 2W, 3W, 4W and 6W

The high power BUC is attached to the elevation head and is joined to the feed arm with flexi-twist, using the Holkirk quick release couplings.

Range: 8W, 16W, 25W, and 50W

The TP-Netcaster can be offered with a wide frequency spectrum:

12.75 to 13.25 GHz
13.75 to 14.50 GHz
14.00 to 14.50 GHz

Antenna Specification	TP150	TP120
Side Lobe Performance		29-25 Log e dBi
Polarisation Performance		XPD > 30 dB
Receive		
Polarisation:		linear
Frequency band:		10,7 ~ 12,75 GHz
Gain @ 12,5 GHz :	44.0 dBi	42.0dBi
Transmit		
Polarisation:		linear orthogonal
Frequency band:		13,75 to 14,5 GHz
<i>Appendix 30B</i>		<i>12.75 to 13.25GHz</i>
Gain @ 14,25 GHz:	45.5 dBi	43.5dBi
Mechanical Data		
Antenna Diameter:	150 cm	120cm
Geometry:		Single offset
Reflector Material:		Carbon fibre
Speed: Elevation	Fast	2°/Sec
	Slow	0.5°/Sec
Azimuth	Fast	5°/Sec
	Slow	1°/Sec
Controller Options:		
Manual – Hand drive for AZ, EL and POL		
ACU100 – Holkirk 3 axis motorised jog controller (Hand-held terminal or 2RU controller)		
Ipoint – Auto-pointing 3 axis controller including GPS receiver		
The system is totally modem agnostic and has been deployed world wide with all modern IP modem solutions.		



- Sample of IP modems deployed with the TP-Netcaster

APPROVALS & COMPLIANCE

- Eutelsat/Intelsat compliant.

UNITRONIX Pty Ltd

PO Box 486, Morisset NSW 2264

NSW: Tel: 61 2 4977 3511 Fax: 61 2 4977 3522

WA: Tel: 61 8 9455 2424 Fax: 61 8 9455 2458

unitsyd@unitronix.com.au www.unitronix.com.au