



FEATURES

Carries 2x antenna signals on a single fibre core

OLED Level Meter and dB loss measurement

Dual Isolated lasers offer improved protection from un-wanted reflections

Remote Unit powers from V-Lock or AB-mount camera battery or external 12VDC

Base Unit half-width 1RU rack-mounting with AC powering

Fibre Remote

The DBS Fibre extender system can be used to position antennas remotely from receivers using standard SMPTE or ST fibres.

The fibre remote unit can accept UHF inputs from two external downconverters, the UHF signals are converted to optical signals and carried over a single fibre core. The Fibre remote unit can be powered from a VLock or Anton Bauer (option) battery interface, or with 12V XLR cable input. The Fibre remote unit provides inline power for the external downconverters on the BNC coaxial connection. The Fibre base unit can receive inputs from two separate remote units and will provide 4 UHF outputs.The fibre base unit provides local monitoring of signal levels of all four optical signals.

Connectors	
Antenna 1 Output	BNC(f)
Antenna 2 Output	BNC(f)
Fibre Optic Input	ST/PC or SMPTE
DC Power in	XLR 4pin Male
Battery Input	Anton Bauer or V-Mount

Optical Section	
Type	Single Mode
Laser Type	DFB
Optical Output	4.5dBm (nominal)
Antenna 1 Wavelength	1550nm
Antenna 2 Wavelength	1310nm

Powering	
Supply Voltage	9-36V DC
Power Consumption (downconverter dependent)	<15W

RF Section	
Frequency Range	100-1000MHz
Gain Flatness	+/- 0.25dB (typical) +/- 0.5dB (max)
VSWR	<1:5:1
Gain Stability	0.25dB over 24 hours
RF Link Gain	0dB (assumes 0dB optical loss)
Input P1dB	3dBm
Noise Figure	23dB
Downconverter Voltage	12VDC

Physical	
Dimensions (excl conns)	145×80×55mm
Weight	1.0Kg
Operating Temperature	-10-+50°C

Product Code	
FIBTAC-2-R-SC-V	Remote Fibre Unit Dual Antenna SC Connector V-Mount Battery plates
FIBTAC-2-R-SC-AB	Remote Fibre Unit Dual Antenna SC Connector AB-Mount Battery plates
FIBTAC-2-R-ST-V	Remote Fibre Unit Dual Antenna ST Connector V-Mount Battery plates
FIBTAC-2-R-ST-AB	Remote Fibre Unit Dual Antenna ST Connector AB-Mount Battery plates
FIBSMPTE-2-R	Remote Fibre Unit, Dual Antenna SMPTE Connectors
FIBSMPTE-4-R	Remote Fibre Unit, Quad Antenna SMPTE Connectors

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