

Navtech Systems Video Links

COFDM Digital Down-Link - airborne video Links

6 Channel Diversity Antenna Array for Ground Receivers

The 6 channel Diversity Array consists of high gain elements arranged at 60° to give full 360° coverage for multichannel receivers. This technique precludes the use of antenna tracking as all signals from the antennas are processed simultaneously and used in Maximal Ratio Combining techniques to enhance long range reception in high multipath environments.

Simple antenna mast installation is provided together with attendant Block Down Converters at the base of the antenna ensuring minimal signal loss. Low intermediate frequency output signals from the BDC's minimise losses in the down feeds to the Receiver.

Typical Specification:

Frequency:	1700 to 2700 MHZ *
Gain;	17 dBi
Beam width:	>60° Horizontal
Beam width:	>18° Vertical
BDC:	I.F. 800MHz Typical
BDC:	Power 15 – 24Vdc (via down feeders)
Dimensions:	1800mm H 350mm Diameter
Mounting:	102mm (4") dia'
Weight:	30Kg

* Alternative frequencies are available



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