



PRODUCT APPLICATION:

The TVLINK family of products is a family of portable TV Video links designed to transport high-quality video and stereo audio channels.

The system operates in the license-free 5740–5860 MHz band and can be used at line-of-sight distances of up to 30 miles (50 Kilometers), depending on options such as output power and antenna size.

The system transmits NTSC or PAL video channels with stereo or mono audio. It can be configured to carry from one to six video channels simultaneously.

POINT-TO-POINT PORTABLE TV VIDEO LINK

- ◆ Point-to-Point Link for High Quality Video and Stereo Audio
- ◆ Distances of up to 30 miles (50 Kms)
- ◆ Transports From One to Six NTSC/PAL analog channels with associated stereo audio
- ◆ FM Modulation for high quality signals

The link includes two parabolic dish antennas which provide a very directional link with maximum rejection of unwanted interference from nearby transmitters.

The last two digits of the TVLINK-XX model number select for the available options. The first digit is for the number of simultaneous programs desired (from a minimum of 1 to a maximum of 6) and the second indicates the powering options: 1) for 12 VDC and 2) for 85 to 140 VAC, 50 / 60 Hz). Contact the factory for additional output power and antenna size options.

Model TVLINK-XX

Transmitter Specification	
Frequency Range	5740 to 5860 MHz
Distance	1 to 30 Miles (1 to 50 Kms), depending on Options
Frequency Stability	0.0025%
Video Input Impedance	75 Ohms
Video Standard	NTSC/PAL with 460 lines horizontal resolution
Audio Input Level	1 V pp line level (each of two channels)
Audio Input Impedance	600 Ohms
DC Power	0.8 to 2.5 Amps @ 12 VDC depending on options
Mounting	Outdoor, parabolic dish antenna
Environmental	-30 to +55 degree Centigrade, 99% humidity
Receiver Specification	
Receiver Sensitivity	-90 dBm
Channel Rejection	> 20 dB between even channels, 20 dB between odd channels and > 90 dB with 4 channel spacing
Image Rejection	> 60 dB
Signal To Noise	Video: > 45 dB with -75 dBm RF input > 40 dB with -80 dBm RF input Audio: >12 dB SINAD with -85dBm RF input
Audio Output	1.5 V pp line level typical at 600 Ohms
DC Power:	0.5 Amps @ 6-9 VDC
Mounting	Outdoor, Fixed antenna mount
Environmental	-30 to +55 degree Centigrade, 99% humidity

¹ Specifications subject to change without prior notice.