



POINT-TO-POINT TV VIDEO LINK

- **Point-to-Point Link for High Quality Video and Stereo Audio**
- **Distances of up to 50 Km**
- **Transports From One to Six NTSC/ PAL analog channels with associated stereo audio**
- **Light weight, Transportable**
- **FM Modulation for high quality signals**

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 is offered in the license-free 5740–5860 MHz band for distances of up to 50 Kilometers, and also in all licensed bands from 2 to 30 GHz.

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.

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

The transmitter and receiver are housed in rugged outdoor enclosures designed for transportability and ease of connection to the antennas.

Each link includes a transmitter, receiver, antennas and interconnecting RF cables. Antenna sizes are selected for each link according to frequency and distance. The input / output is baseband analog video and audio.

Each link is designated with the frequency band and two extra digits at the end. 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 220 VAC, 50 / 60 Hz).

Product Specification¹

CABLE AML

Model TVLINK-XX

Transmitter Specifications	
Frequency Range	2 to 30 GHz
Distance	1 to 50 Miles (1 to 80 Kms), depending on Options
Frequency Stability	0.0025%
Video Input Impedance	75 Ohms
Video Standard	NTSC/PAL with 460/525 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, 100% humidity
Receiver Specifications	
Receiver Sensitivity	-73 to -90 dBm depending on frequency
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 @ 12 VDC
Mounting	Outdoor, Fixed antenna mount
Environmental	-30 to +55 degree Centigrade, 100% humidity

¹ Specifications subject to change without prior notice.