



MODEL TVLINK5.8-XX LOW COST PORTABLE TV VIDEO LINK

- ◆ **Omni-directional receive antenna, only transmit antenna needs pointing**
- ◆ **Operates in license-free 5.8 GHz band**
- ◆ **12 Selectable NTSC/PAL channels with stereo audio transmission**
- ◆ **FM Modulation for high quality signals**

PRODUCT APPLICATION:

The TVLINK5.8-XX Portable TV Video Link is a low-cost, high-quality video plus audio link ideally suited for applications such as mobile TV news-gathering systems.

The FM system operates in the unlicensed 5740–5860 MHz ISM band and can be used at line-of-sight distances of up to 15 Kilometers, depending on options.

The system transmits NTSC or PAL video channels with stereo or mono audio. Each transmitter can be tuned to any one of 12 channels within the band.

Simultaneous transmissions of multiple channels from one of from several mobile TV stations to the same central base station are possible.

The link has an omni-directional receive antenna so that signals can be transmitted from anywhere (within line of sight of the receiver) without the need to point the receive antenna towards the transmitter.

The last two digits of the TVLINK5.8-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 Volt AC, 50 to 60 Hz).

The transmit antenna is provided with mounting hardware to facilitate antenna pointing.

Model TVLINK5.8-XX

Transmitter Specification	
Frequency Range	5740 to 5860 MHz
Distance	5 to 15 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, steerable 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.