

# VASX

## *SHORT HAUL VIDEO/AUDIO SYSTEM*

- Up to 5 Short Haul video w/ Up to 10 Audio in 1U
- Combine units optically for multi channels systems
- Transmission distances of 100 km
- Option for CWDM/DWDM Systems



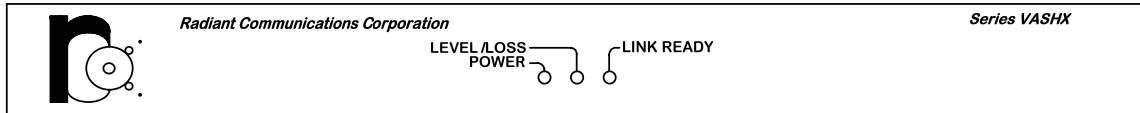
### ***Radiant Communications Corporation***

P.O. Box 867 • 5001 Hadley Road • South Plainfield, NJ 07080 • USA  
800.969.3427 • In New Jersey: 908.757.7444 • Fax: 908.757.8666  
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## **DESCRIPTION**

Radiant Communications VASX Series is a studio quality video/audio base band system. The link will transmit up to five RS250C Short Haul video and ten audio signals over a single fiber. The VASX Series is a 12 Bit Digital Video transmission system that connects to standard analog NTSC video/audio. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter. The VASX Series is available in CWDM/DWDM wavelengths and can be combined to move multiple Short Haul Video/ Audio over a single fiber. Standard 10db and 20db systems are available at 1310nm and 1550nm for transmission distances up to 80kms.

## TRANSMITTER

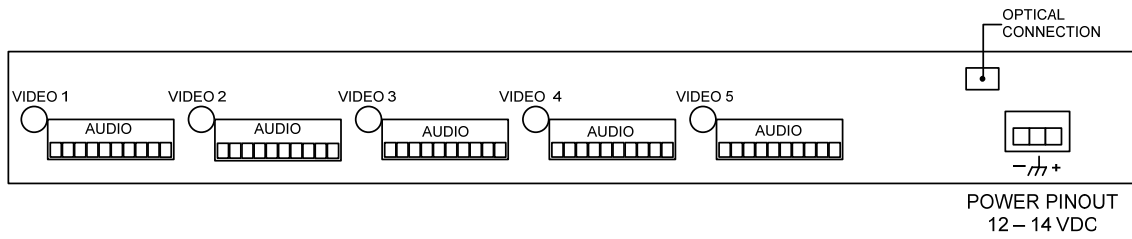


## RECEIVER

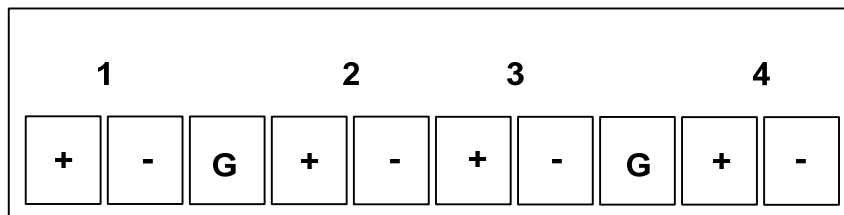
### LED Indicators:

- POWER LED – Power input status
- VIDEO STATUS – Green indicates valid signal. Red indicates no video present (only on Tx unit)
- LEVEL/LOSS – Green indicates sufficient optical power received. (only on RX unit)
- LINK READY – Green indicates optical signal is present and communication with transmitter established. (only on RX unit)

## Rear Panel VASX



### VASHX AUDIO CONNECTOR PINOUT



Note: For unbalanced(2-wire) audio, Jumper the (-) negative pin to Gnd, insert 2-wire audio across (+) and Ground.

For the VASX model- only the channels one and two are active on each card.

## **TECHNICAL SPECIFICATION**

### **VIDEO**

RS250 Short Haul  
Type: 12-bit Digitally Encoded Video  
Video Bandwidth: 6.5 MHz  
SNR/CTN: > 67 dB  
I/O Level: 1Vp-p  
I/O Impedance: 75 Ohms  
Connector: BNC

### **AUDIO**

Type: 24-bit Digitally Encoded Stereo Audio  
I/O Level: 0dB (2Vp-p)  
I/O Impedance: 600 Ohms  
Bandwidth: 20Hz to 24kHz  
Connector: 10 Pin Terminal Block

### **GENERAL**

Power: 12VDC nominal (10VDC MIN, 30VDC MAX)  
Operating Temp: -20° to 50° C  
Storage Temp: -40 to 85° C  
Size: 19.0" W x 11.7"D x 1.72" H



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**NOTES**