

VAB740

Short Haul Video/Audio System

- NTSC V/A onto one Singlemode fiber
- Short Haul video + Four Audio
- Options for multiple channels
- Transmission distances of 100 km or more
- Option for 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

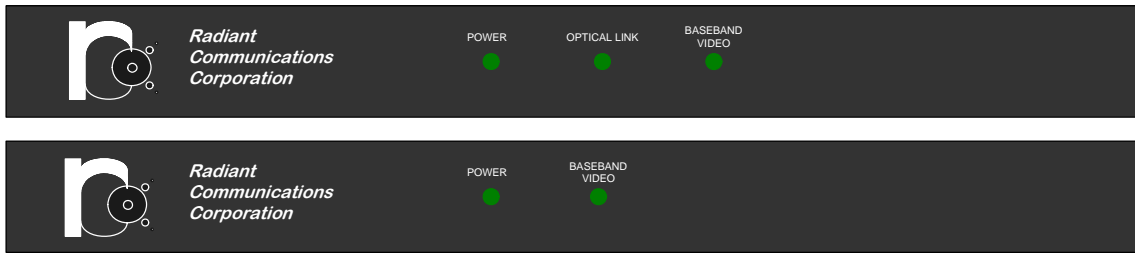
sales@rccfiber.com . www.rccfiber.com

DESCRIPTION

Radiant Communications VAB740S Series is a studio quality video/audio base band system. The link will transmit one video and four audio signals over very long distances and still meet RS250C Short Haul specifications. The VAB740/VASHX914 Series is a 12 Bit digital 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 there after.

The VASH914 Series incorporates a Transmitter/Receiver pair to provide a bi-directional single Short Haul Video with 4 Audios. The Tx/Rx pair are connected to a separate High Isolation WDM housed in a 1u chassis. Fiber jumpers are provided with the VASHX-HWDM to connect each Tx/Rx pair to there respective wavelength. The incoming fiber should be connected to the Common Port on the HWDM.

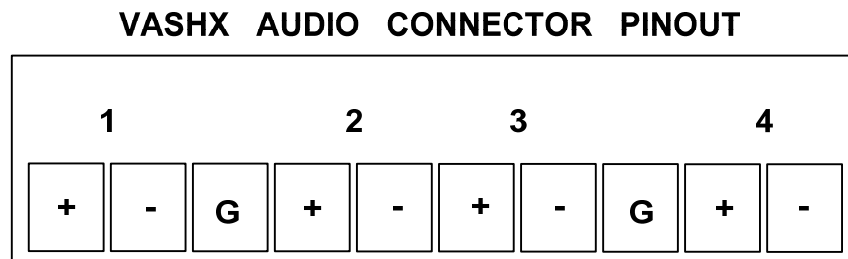
RS250 Medium Haul Version



LED Indicators:

- POWER LED – Power input status
- OPTICAL LINK LED – Indicates optical link between TX and RX units (only on RX unit)
- BASEBAND VIDEO LED – Indicates Analog Video In/Out

Audio Connector Pinouts:



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

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: 15W @ 90 to 240V AC

Operating Temp: -20° to 50° C

Storage Temp: -40 to 85° C

Size: 17.0" W x 13.0D x 1.75" H



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