

# ▶ VASHX 12 Bit Video/Audio Multiplexer

## DESCRIPTION

Radiant VASHX700S Series is capable of transmitting up to 32 baseband video and 128 audio signals over one single-mode fiber for distances of 100+ kilometers.

The optional VASHX-RP (Repeater) can be used to extend the distance of the system to over 500KM. For central management, you can add the optional NMS modules for real-time networked diagnostic information. Options are available for drop-and repeat or insert and repeat applications.

This system is field expandable. You must order at least two video channels. In the future, additional video cards can be added as required.



## BENEFITS

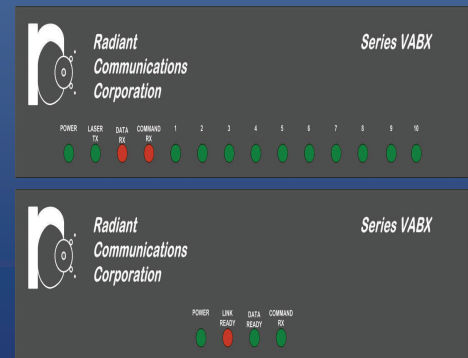
- ▶ Simultaneous Video/Audio, one way over one fiber
- ▶ Scalable from 2 Video/8 Audio to 32 Video/128 Audio
- ▶ Broadcast quality — RS-250 Short Haul
- ▶ Transmission distances of 100 km or more

## FEATURES

- ▶ Digital Audio/Video Transmission
- ▶ Field Expandable
- ▶ NTSC/PAL compatible
- ▶ CWDM and DWDM versions available

2 - 32 VIDEO  
4 - 128 AUDIO

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4 - 128 AUDIO



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## SPECIFICATIONS

### RS250 Short Haul Video

12-bit Digitally encoded Video  
 Video Level: 1 Volt peak to peak  
 Video Bandwidth: 6 MHz  
 SNR/CTN: > 67 dB  
 I/O Impedance: 75 Ohms

### Audio

24-bit Digitally Encoded Audio  
 Input/Output Signal Level: 0dB (2Vp-p)  
 Input/Output Impedance: 10k or 600 Ohms  
 Bandwidth: 20Hz to 24kHz

### Optical

Wavelength: 1310nm, 1550nm, CWDM, DWDM  
 Number of Fibers: 1  
 Power Budget: see table below

### General Characteristics

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 3.5" H

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	WAVELENGTH	OPTICAL BUDGET	DISTANCE
VASHX7XYS-T-2Z3	Transmitter A/V	1310nm	10db	25km
VASHX7XYS-R-2Z3	Receiver A/V	1310nm	10db	25km

### Note:

- Specify X—number of video channels
- Specify Y—number of Audio channels
- Specify Z—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add -NMS to part number for NMS status monitoring
- Add -E to part number for expandable units
- For higher distances, budgets, 1550nm versions, CWDM and DWDM systems, contact factory



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