

▶ VABX Video/Audio Multiplexer

DESCRIPTION

Radiant's VABX Series is capable of transmitting up to 64 baseband video and 128 audio signals over one (1) single-mode fiber for distances of 100+ KM.

The optional VABX-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.

Radiant offers two versions of NTSC video quality for fiber transport, 8-bit which the VABX uses, offering RS-250 medium haul quality featuring greater than 60 db signal to noise quality. Or 12-bit quality with the VASHX series offering RS-250 short haul quality that has greater than 68 db signal to noise.

Like most Radiant products setup and installation is simple and easy as no adjustments are required.



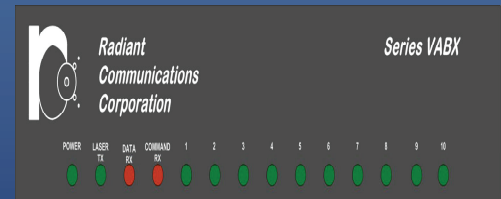
BENEFITS

- Simultaneous Video/Audio, one way over one fiber
- Scalable from 2 Video/2 Audio to 64 Video/128 Audio
- Broadcast quality — RS-250 Medium Haul
- Transmission distances of 100 km or more

FEATURES

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

2 - 64 VIDEO
2 - 128 AUDIO



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2 - 128 AUDIO



FIBER



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▶ VABX700 Video/Audio Multiplexer

SPECIFICATIONS

RS250 Medium Haul Video

8-bit Digitally encoded Video
 Video Level: 1 Volt peak peak
 Video Bandwidth: 6 MHz
 SNR/CTN: > 60 dB
 I/O Impedance: 75 Ohms

Audio

18-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: (up to 4V/8A, not expandable) 17.0" W x 13.0D x 1.75" H
 (for all others config. And expandable) 17.0" W x 13.0D x 3.5" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	WAVELENGTH	OPTICAL BUDGET	DISTANCE
VABX7XYX-T-WZ3	Transmitter A/V	1310nm	10db	25km
VABX7XYX-R-WZ3	Receiver A/V	1310nm	10db	25km

Note:

- Specify X—number of video channels
- Specify Y—number of Audio channels
- Specify W— packaging: U—1U high box(up to 4Video and 8 Audio, not expandable), 2—2U high box
- 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 optical budgets and distances, 1550nm versions, CWDM and DWDM systems, contact factory



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