

## ▶ VADB915M/S: Video, Audio and Data, Two-Way

### DESCRIPTION



Radiant Communications VADB915 Series can be ordered as a multimode or singlemode transmission system. The system can operate distances of up to 100+ km on singlemode fiber, and 5 km on multimode. The Series is capable of transmitting video, audio, and data two-way over one or two fibers. The VADB915 Series offers diagnostic indicators for the condition of video presence on the transmitter and receiver, along with a fiber level information in the receiver. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.

### BENEFITS



Real-Time Video, Audio and Data Two-Way, Over One Fiber

Multimode Distances up to 5 km

Singlemode Distances up to 100+ km

### FEATURES

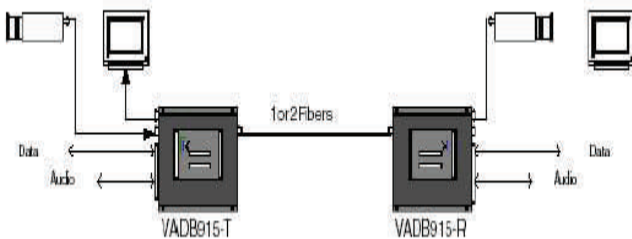


Meets RS-250 Medium Haul Specifications

1 Channel Video –both directions

1 Channel Audio –both directions

1 Channel Data - both directions



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2/2005

# ▶ VABD915 Video, Audio and Data Two-Way

## SPECIFICATIONS

### Video

Bandwidth: 8 MHz  
SNR/CTN: 60 dB minimum, 64 dB typical  
Input Level: 1 volt peak to peak  
I/O Level: 75 Ohms  
Differential Phase: 1.3°  
Differential Gain: 2 %

### Audio

Bandwidth: 20 Hz to 16 KHz  
Input Impedance: 10k Ohms or 600 Ohms (factory preset)  
Input/Output Signal Level: 0dB (2 Volts peak to peak)  
Output Impedance: 10k Ohms or 600 Ohms (factory preset)  
Output Signal Level: +6 dB

### Data

Data Formats: RS-232, RS-422, RS-485, TTL or Bi-Phase / Manchester  
Connector: RJ45

### Optical

Wavelength: 850nm, 1310nm, 1550, CWDM, DWDM  
Number of Fibers: 1  
Optical Connector: SC/APC, SC, ST FC, FC/APC

### General Characteristics

Power: 10W @ 90 to 240V AC  
Operating Temperature: 0° to 50° C  
Size: rackmount 17.0" W x 13.0D x 1.75" H  
Module/can 5.5" W x 7.0" D x 1.3" H  
Card cage 2 in CR200

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VADB915M-XY8	Video, Audio Data 2 way, 1 Fibers, Multimode, 850 nm	7 dB	0-2 km
VADB915S-XY3	Video, Audio Data 2 way, 1 Fibers, Singlemode, 1310 nm	18 dB	0-50 km

### Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory
- Data—RS232 is standard. Please note on order for other format.
- Due to product enhancements, specifications subject to change without notice.



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