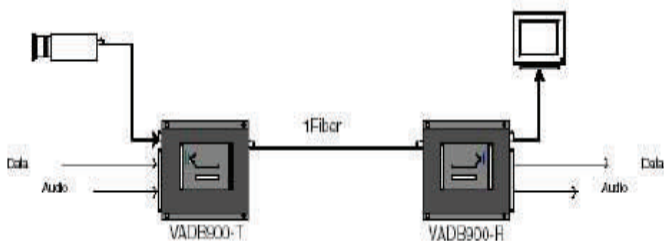


DESCRIPTION

Radiant Communications VADB900 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 10 km on multimode. The Series is capable of transmitting one video, audio, and data signal one-way. The VADB900 Series offers diagnostic indicators for the condition of the video presence or 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.



**Radiant
Communications
Corporation**

VADB900 Video, Audio and Data One Way

BENEFITS

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

Multimode Distances up to 10km

Singlemode Distances up to 100+ km

FEATURES

Meets RS-250B Medium-Haul Specifications

- I Video Channel
- I Audio Channel
- I Data Channel

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

▶ VADB900 Video, Audio and Data over Fiber

SPECIFICATIONS

Video

Bandwidth: 8 MHz
SNR/CTN: 60 dB minimum, 64 dB typical
I/O Level: 75 Ohms
Input Level: 1 volt peak to peak
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
VADB900M-T-XY8	Video, Audio Data Transmitter, 1 Fibers, MM, 850 nm	10dB	0-4 km
VADB900M-R-XY8	Video, Audio Data Transmitter, 1 Fibers, MM, 850 nm	10dB	0-4 km
VADB900S-T-XY3	Video, Audio Data Transmitter, 1 Fibers, SM, 1310 nm	18 dB	0-50 km
VADB900S-R-XY3	Video, Audio Data Transmitter, 1 Fibers, SM, 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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