

**VADX900S Video, Audio and Data Mux**



Singlemode

**Security**

**2-16 ch. V →**

**2-16 ch. A →**

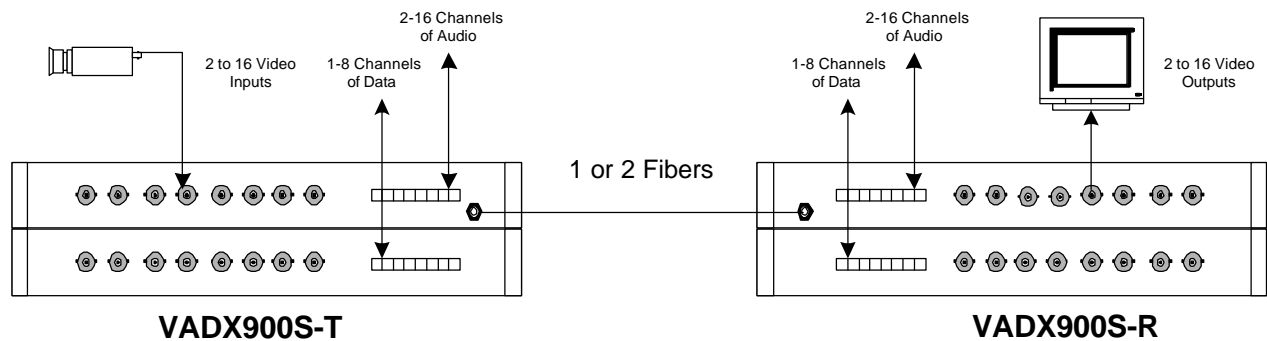
**1-8 ch. D →**

**FEATURES**

- Real-Time Video, along with Audio and Data, Two-Way, Over One or Two Fibers
- Singlemode Distances up to 30 km
- Color or Monochrome
- Diagnostic Indicators
- Optional NMS (Network Management System) Software

**DESCRIPTION**

Radiant Communications VADX900 Series can operate to distances of up to 30 km on singlemode fiber and is capable of transmitting 2 to 16 video signals one-way, along with 2 to 16 audio signals and 1 to 8 channels of data, two-way. The VADX900 Series offers an optional NMS (Network Management System) that can provide networked (TCP/IP) status information on the system. The NMS software indicates the condition of the 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.



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**SPECIFICATIONS**

**VIDEO**

Bandwidth: 10 MHz  
 SNR/CTN: 60 dB  
 I/O Level: 75 Ohms  
 Differential Phase: 2°  
 Differential Gain: 2%

**DATA**

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

**AUDIO**

Input Impedance: 10 Kohms Min.  
 Input Signal Level: 1.5 Vrms Max.  
 Output Impedance: 600 Ohms Max.  
 Output Signal Level: 1.5 Vrms Max.  
 Bandwidth: 20 Hz to 24 KHZ  
 Connector: RJ45

**POWER/TEMPERATURE/SIZE**

Operating Temp: -20 to 50° C  
 Storage Temp: -40 to 85° C  
 Power: 12VDC @ 500ma  
 Size: 19.0" W x 10.0" D x 3.5" H

**ORDERING INFORMATION (Singlemode 8.3um)**

Part Number:	Description	Fibers	Attenuation Max	Wavelength (in nm)	Distance
VADX900S1-T/*	1 to 8 Video, Audio, Data Tx, SM	1	12 dB	1310/1550	0-30 km
VADX900S1-R/*	1 to 8 Video, Audio, Data Rx, SM				
VADX900S2-T/*	9 to 16 Video, Audio, Data Tx, SM	2	12 dB	1310/1550	0-30 km
VADX900S2-R/*	9 to 16 Video, Audio, Data Rx, SM				

**OPTIONS**

Configurations At time of order you must Add to the part number: ***N/A-1/D-1***. V = The number of video channels. A = the number of Audio Channels, put a -1 for one-way or -2 for two-way transmission of Audio. D = the number of Data Channels, put a -1 for one-way or -2 for two-way transmission of Data.

Power Adapter Included

High Power For Higher Power version, please contact factory.

V / A / D For single channel units, please refer to the VAD900 to VAD920 Series.

*Due to product enhancements, specifications subject to change without notice*



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