

VDX820M/S Video, 2-4 Channels, with Two-Way Data



Multimode
Singlemode

Security

2-4 ch. **V** →

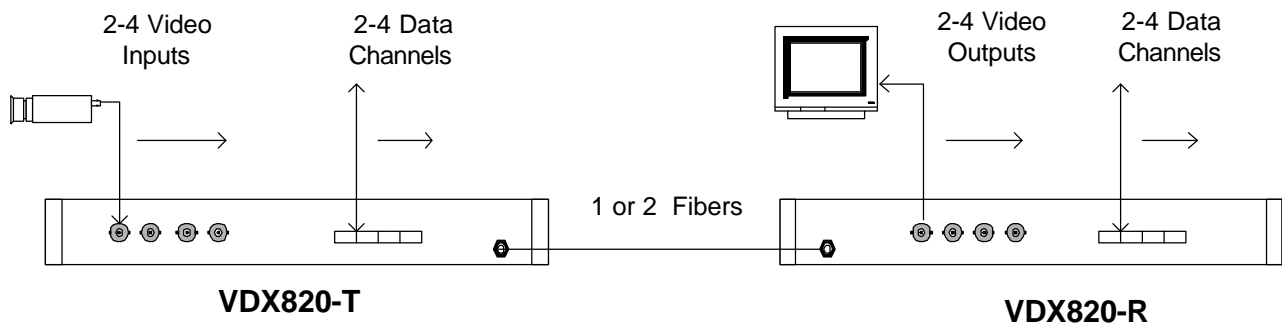
2-4 ch. **D** ↔

FEATURES

- Real-Time Video with Data Over One or Two Fibers, 2-4 Channels
- Multimode Distances up to 3 km
- Singlemode Distances up to 50 km
- Diagnostic Indicators
- Color or Monochrome
- Optional NMS (Network Management System) Software

DESCRIPTION

Radiant Communications VDX820 Series can be ordered as a multimode or singlemode transmission system. The system can operate distances of up to 50 km on singlemode fiber, and 3 km on multimode. The Series is capable of transmitting 2-4 real-time standard video signals, with two-way data. The VDX820 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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VDX820M/S Series, Video, 2-4 Channels, with Data FIBER OPTICS SYSTEM

SPECIFICATIONS

VIDEO

Bandwidth: 6 MHz per Channel
 SNR/CTN: > 60 dB
 I/O Level: 75 ohms
 Electrical: BNC (One per Channel)
 Optical: ST
 Intermodulation: < 2%
 Differential Phase: < 1.3° (10 to 90% APL)
 Differential Gain: < 3.0% (10 to 90% APL)
 Tilt: < 2.0%
 Chrominance To Luminance: Gain < ± 4.0%, delay 33 nanoseconds

DATA

Data Formats: RS-232, RS-422, RS-485, Bi-Phase/Manchester, or TTL
 Connector: DB9

POWER/TEMPERATURE/SIZE

Operating Temp: -20 to 50° C
 Storage Temp: -40 to 85° C
 Power: 0.8A @ 120VAC, 0.4A @ 240VAC
 Size: 19.0" W x 10.0" D x 1.6" H

ORDERING INFORMATION (Multimode/Singlemode)

Part Number:	Description	Fibers	Attenuation		Wavelength (in nm)		Distance
			62.5um	8.3um	62.5um	8.3um	
VDX820M1-T/*	Video Tx W/Data, MM	1	7 dB	-	850/1300	-	0-2 km
VDX820M1-R/*	Video Rx W/Data, MM						
VDX820M2-T/*	Video Tx W/Data, MM	2	8 dB	-	1300	-	0-3 km
VDX820M2-R/*	Video Rx W/Data, MM						
VDX820S1-T/*	Video Tx W/Data, SM	1	-	12 dB	-	1310	0-30 km
VDX820S1-R/*	Video Rx W/Data, SM						
VDX820S2-T/*	Video Tx W/Data, SM	2	-	20 dB	-	1310	0-50 km
VDX820S2-R/*	Video Rx W/Data, SM						

OPTIONS

Configuration * For 2 videos with 2 channels of two-way data, add "/2". For 4 videos/4 channels of data, add "/4". For Video With One-Way Data do not put a 1 or 2 after the M or S.
 Power Adapter Included.
 High Power For Higher Power version, please contact factory.
 Audio & Data For video with audio and data, please refer to the VAD900 Series.

Due to product enhancements, specifications subject to change without notice



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