

**VD815M/S Video & Two Channels, Two-Way Data**



Multimode  
Singlemode

**Security**

1 ch. **V** →

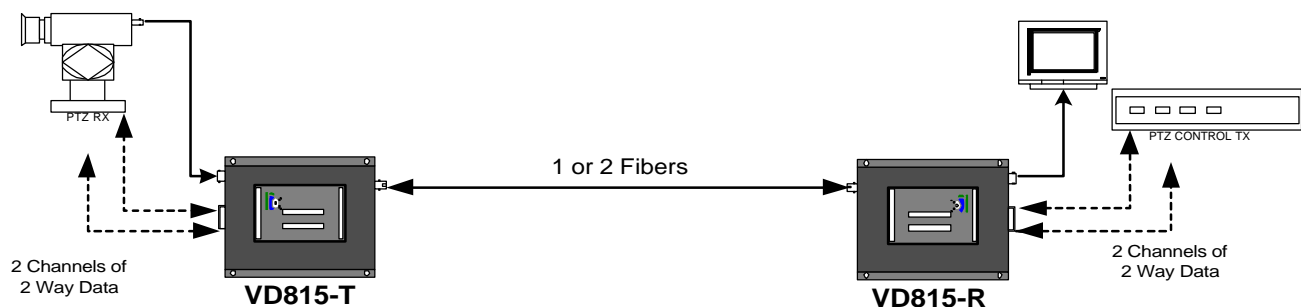
2 ch. **D** ↔

**FEATURES**

- Simultaneous Video and Two Channels, Two-Way Data Over One or Two Fibers
- Multimode Distances up to 10 km
- Singlemode Distances up to 55 km
- Diagnostic Indicator
- Color or Monochrome
- Optional NMS (Network Management System) Software

**DESCRIPTION**

Radiant Communications VD815 Series can be ordered as a multimode or singlemode transmission system. The system can transmit distances of up to 55 km on singlemode fiber, 10 km on multimode, and is capable of transmitting one way video and two channels of two-way data over one or two fibers. The VD815 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.



**Radiant Communications Corporation**

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# VD815M/S Series, Video & Two Channels, Two-Way Data FIBER OPTICS SYSTEM

## SPECIFICATIONS

### VIDEO

Video Bandwidth: 8 MHz  
 SNR/CTN: > 60 dB  
 I/O Level: 75 ohms  
 Electrical: BNC  
 Optical: ST

### POWER/TEMPERATURE/SIZE

Operating Temp: -20 to 50° C  
 Storage Temp: -40 to 85° C  
 Power: 0.25A @ 12-16VDC, 5W  
 @ 12-14VAC  
 Size: 2.81" W x 3.75" D x 1.1" H  
 Rack Slots, MM: 2 in CR200  
 SM: 1 in CR200

### DATA

Formats: RS-232, RS-422, RS-485,  
 TTL Bi-Phase/Manchester,  
 or Relay/Contact Closure  
 Data Rate, MM: DC to 19.2 kbps Data Rate,  
 SM: 235 kbps  
 Bit Error Rate: > 10<sup>-9</sup> within optical budget

## ORDERING INFORMATION (Multimode/Singlemode)

Part Number:	Description	Fibers	Attenuation		Wavelength (in nm)		Distance
			62.5um	8.3um	62.5um	8.3um	
VD815M1-T/*	Video Tx, 2 Ch Data Tcvr, MM	1	14 dB	-	850/1300	-	0-4 km
VD815M1-R/*	Video Rx, 2 Ch Data Tcvr, MM						
VD815M2-T/*	Video Tx, 2 Ch Data Tcvr, MM	2	16 dB	-	1300	-	0-10 km
VD815M2-R/*	Video Rx, 2 Ch Data Tcvr, MM						
VD815S1-T/*	Video Tx, 2 Ch Data Tcvr, SM	1	-	16 dB	-	1310	0-40 km
VD815S1-R/*	Video Rx, 2 Ch Data Tcvr, SM						
VD815S2-T/*	Video Tx, 2 Ch Data Tcvr, SM	2	-	20 dB	-	1310	0-55 km
VD815S2-R/*	Video Rx, 2 Ch Data Tcvr, SM						

## OPTIONS

Data Format \* Add data format information: 2=RS-232, 3=Relay, 4=RS-422, 5=Bi-Phase/Manchester, 6=RS-485  
 Power Adapter PS-1.  
 NMS Please contact factory for Network Management Software.  
 Rack Mount Add -R to part number for rack mount version.  
 High Power For Higher Power version, please consult 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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