

# VB155

## *Multiple DVB Fiber Transport*



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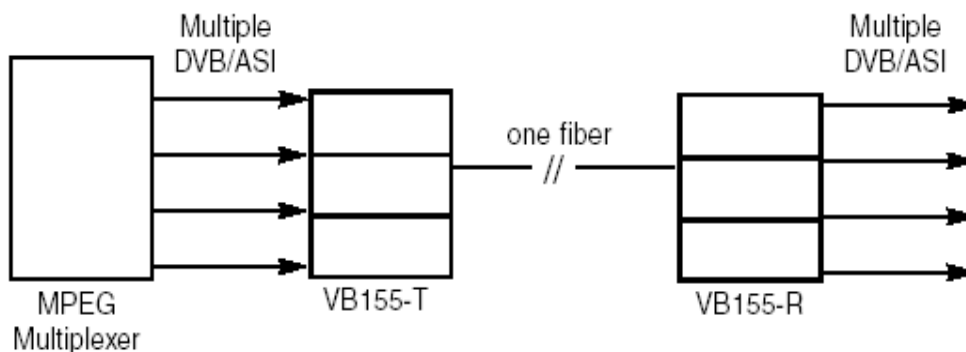
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## FEATURES

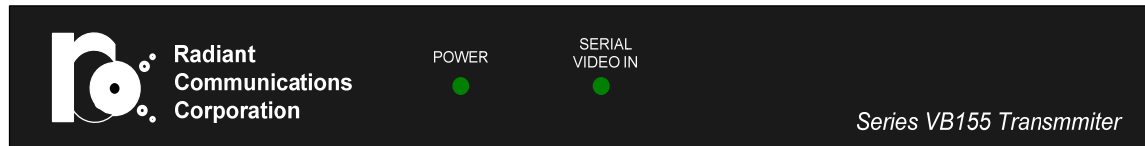
- Up to 8 DVB streams on one fiber
- Very simple system
- Multiple DVB-ASI in, fiber out (Tx)
- Fiber in, multiple DVB-ASI out (Rx)
- Distances up to 100+ km
- Options for DWDM systems (ITU Grid)

## DESCRIPTION

Radiant's series VB155 is the most cost-effective method of transporting multiple DVB/ASI streams in the industry. It uses CWDM technology to optically multiplex up to eight DVB-ASI signals onto one fiber and transport the information up to 100 km and beyond. Standard wavelengths are available for single channel systems. The VB155 is a plug and play system with no adjustments required. Multiple DVB-ASI in, fiber out (Tx). Fiber in, multiple DVB-ASI out (Rx).

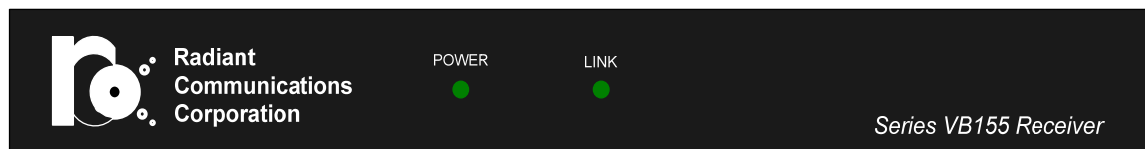


## Transmitter Front Panel



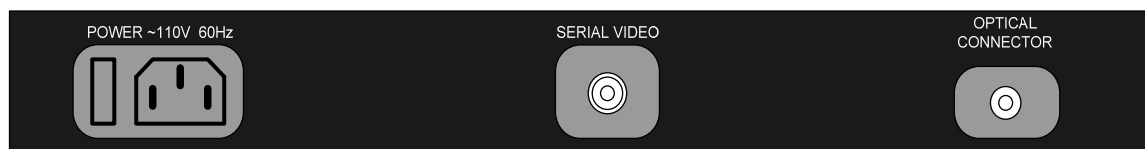
- Power LED
- Serial Video In LED - Indicates that proper data signal is inserted to the unit. The maximum data rate is 360MB.

## Receiver Front Panel



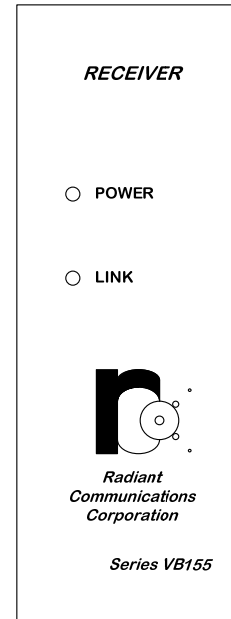
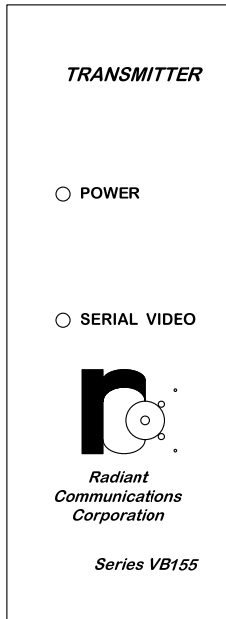
- Power LED
- Serial Video Link - This LED is lit when there is an optical link present that does not exceed the maximum losses specified for the unit and also valid data inserted to the transmitter unit

## Rear Panel



- AC Power - ~110VAC 60Hz
- Serial Video In/Out Connector – Standard BNC Connector
- Optical Connector – Customer Specified (\*ST, FC, SC, SC/APC, FC/APC and etc.)

\*ST is a trademark of AT&T



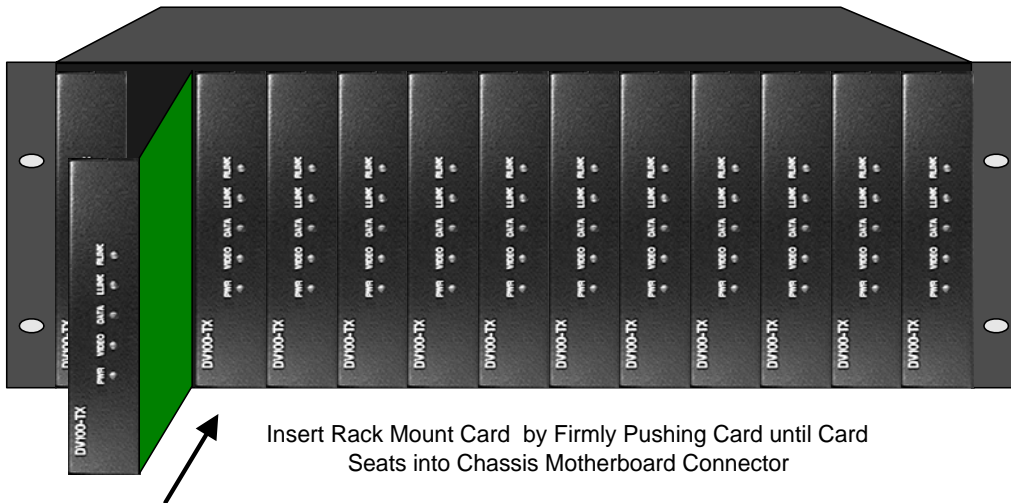
## **Transmitter Front Panel (Mod/Rackmnt)**

- Power LED
- Serial Video In LED - Indicates that proper data signal is inserted to the unit. The maximum data rate is 360MB.

## **Receiver Front Panel(Mod/Rackmnt)**

- Power LED
- Serial Video Link - This LED is lit when there is an optical link present that does not exceed the maximum losses specified for the unit and also valid data inserted to the transmitter

## VB155 Series Installed in 3U 19" EIA Chassis



### Rackmount Chassis

Slide the VB155 Rack mount Card into an empty slot. Push firmly to ensure that the card is properly seated into the card slot.

The VB155 Rack mount Card is hot swappable and may be inserted or removed when power is applied to the chassis.

When power is applied to the chassis, the PWR LED indicator on the VB155 Rack mount Card will illuminate indicating that the card is powered on.

The chassis power supply is designed for operation over an AC input range of 90 VAC to 240 VAC and input frequency from 47 Hz to 63 Hz and is equipped with a standard IEC three prong power plug which will only fit a grounding type AC outlet.

**Note:** Do not defeat the purpose of the AC chassis grounding plug or equipment damage may occur

# **SPECIFICATIONS**

Input/Output: . . . . . 1 to 8 DVB-ASI  
Bandwidth . . . . . up to 360 MBS per DVB-ASI  
Impedance. . . . . 75 ohms  
Optical Budget. . . . . 18dB

## **SYSTEM**

Indicators:	PWR, LINK (RX) PWR,SER IN (TX)
Power (19" Chassis):	90 to 240VAC/47-63Hz
Power (Modular/Rack):	12-16VDC @ 1A

## **TEMPERATURE**

Operating:	0 <sup>0</sup> C to 50 <sup>0</sup> C
Storage:	-40 <sup>0</sup> C to 95 <sup>0</sup> C
Humidity:	95% non-condensing

## **PHYSICAL**

Height:	1.3" (Modular/Rack) 1.75" (1U)
Width:	5.5" (Modular/Rack) 16" (1U)
Depth:	7.0" (Modular/Rack) 12" (1U)
Weight:	6.0 oz (Modular/Rack)

1.7LBS(1U)

Optional:

- One and two channel systems will be housed in a 1U rack.
- Higher capacity systems will be in larger cabinets.
- 48VDC and redundant power.
- DWDM systems available.