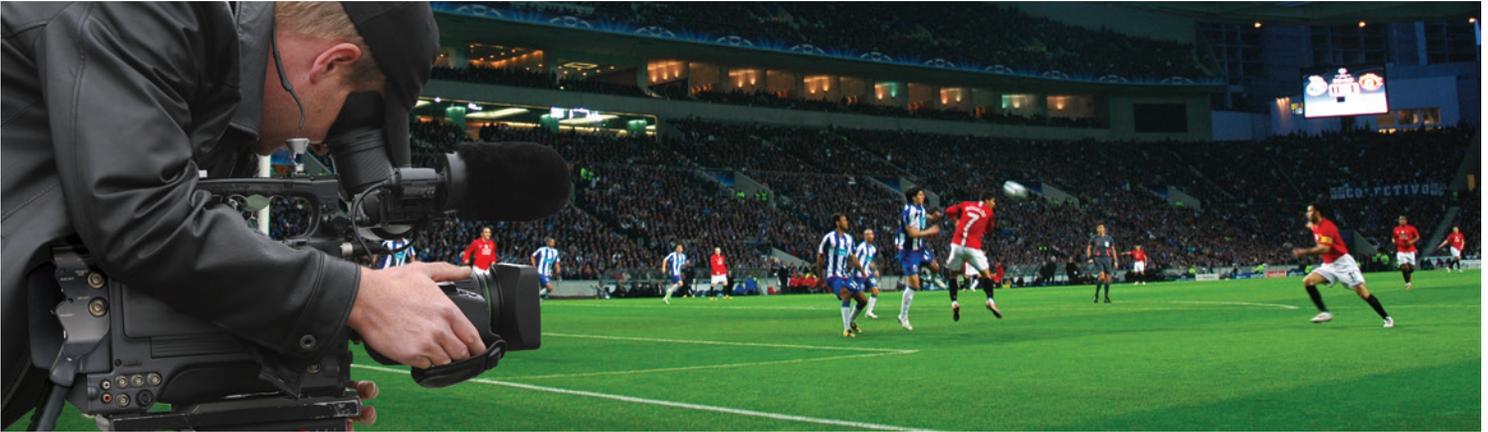


# Viper II TX-RX6292

Single Channel SD/HD-SDI Modules for the Viper II



Lightweight, easy-to-deploy fiber connectivity solutions.

The Viper II Tx/Rx6292 fiber optic serial digital video module set from Grass Valley, a Belden Brand, offers the industry's broadest range of digital transmission rates while maintaining the quality of transmission that broadcasters demand. No matter what your format, the Viper II Tx/Rx6292 set allows you to implement:

- 19.4 Mb/s ATSC
- 143 Mb/s NTSC composite
- 177 Mb/s PAL composite
- 270 Mb/s serial component
- 360 Mb/s serial component video and compressed HD
- 540 Mb/s proprietary
- 1.2 and 1.5 Gb/s HD
- DVB/ASI

And most any other digital signal including our Adder data paths.

## Durable and flexible

The Viper II Tx/Rx6292 module set is available as standalone throwdown modules (MTx6292 and MRx6292), or as rack mount (Tx6292 and Rx6292) modules to fit our Viper II 16-slot frame.



# Viper II TX-RX6292 Single Channel SD/HD-SDI Modules for the Viper II

## KEY FEATURES

- Rack modules or standalone
- Up to 16 HD-SDI per fiber via TelePort 3G
- Compatible with TV standards
- SMPTE 292M, 259M and 244M
- 19.4 Mb/s to 1.5 Gb/s transport
- No pathological data problems
- 3 loop outputs on Tx, 4 outputs on Rx
- Front panel monitoring
- Up to 15 dB optical link budget for HD
- Equalized coax up to 1.5 Gb/s
- DA option for 4 more outputs
- Reclocking on/off switch on Rx
- Durable, high reliability construction
- RoHS compliant
- Wide temperature range
- Low power consumption
- WDM and CWDM multiplexing optional

## SPECIFICATIONS

### Video

**Transmission method:** Digital  
**Input level:** 800 mV p-p  
**Input impedance:** 75Ω  
**Output impedance:** 75Ω  
**Bit-error rate at -22 dBm:** 10-12  
**Jitter (pathological test pattern):** <0.2 UI  
**Rise/fall times:** <270 ps  
**Input coax EQ (1505 or better):** 100m (328 ft.)

### Optical

**Operating wavelength:** 1300 nm  
**Transmitter output options:** -7 dBm  
**Receiver input range:** -2 to -22 dBm  
**Optical source/detector type:** Laser diode/PIN  
**Fiber type <540 Mb/s:** Single-mode or multimode  
**Fiber type HD:** Single-mode

### Mechanical/Environmental

**Dimensions (W x H x D):** 127 x 279.4 x 25.4 mm (5 x 11 x 1 in.)  
**Weight (per stand alone module):** 0.28 kg (10 oz.)  
**Video connectors:** BNC  
**Power req. (typ., per module):** 10 to 18 VDC  
**Power consumption (typ., per module):** 5W  
**Temperature range:** -25° to 55° C (-13° to 131° F)  
**Humidity range:** 0 to 95% RH, non-condensing

## ORDERING

(M)Tx6292-A -7 dBm at 1300 nm fp laser output\*  
(M)Rx6292 -2 to -22 dBm received optical power at 1.5 Gb/s\*  
ADAP-AC-01LC Wall-wart power supply for throwdowns (110 VAC input, 500 mA, US plug type)

\*Adding an "M" to the beginning of the part number (MTX) indicates "standalone" modules.



GVB-1-0451A-EN-DS

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