



# 7707CVRA & 7707CVRA-2

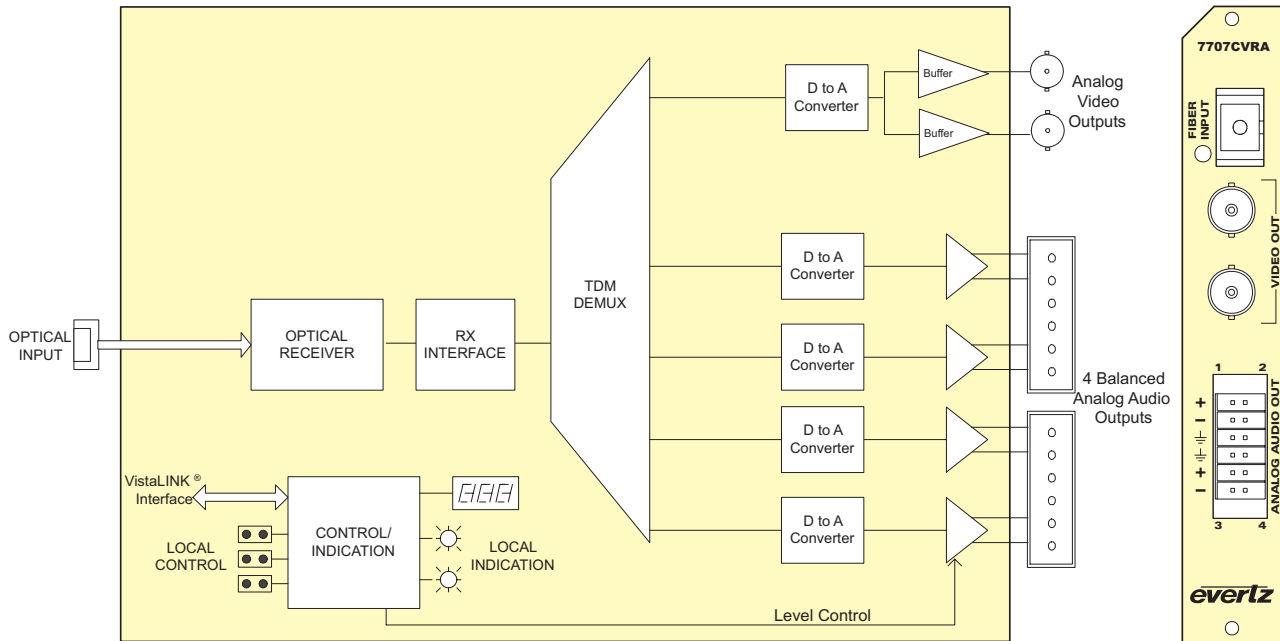
Single / Dual Analog Video with 4-Channel Analog Audio Fiber Receiver

The 7707CVRA is a VistaLINK® capable, composite analog video and analog audio fiber receiver for broadcast quality video signals. This single card module accepts a fiber optic input from the companion 7707CVTA Composite Video and Analog Audio Fiber Transmitter, demultiplexes the signals, performs D to A conversion and outputs NTSC or PAL analog video and up to four balanced analog audio signals.

The 7707CVRA-2 Dual Composite Video and Analog Audio Fiber Receiver is a dual channel version that accepts a fiber optic input from the companion 7707CVTA-2 transmitter, demultiplexes the signals, performs D to A conversion and outputs 2 NTSC or PAL analog video signals and up to four balanced analog audio signals.

## Features & Benefits

- Single card fiber optic receiver for one or two analog video and four analog audio signals
- Supports both NTSC and PAL video signals
- Broadcast quality analog video and audio performance
- Meets or exceeds EIA/TIA RS250-C short haul specifications for analog video and audio transport
- Adjustable gain, DC offset and pre-emphasis for up to 250m of Belden 1694A coaxial cable
- Low Audio to Video latency
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- VistaLINK® capability is available when modules are used with the 3RU 7700FR-C frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame
- Fully hot-swappable from front of frame with no fiber disconnect/reconnect required
- Supports single-mode and multi-mode fiber optic cable
- Accepts any wavelength in the 1270nm to 1610nm range



## Specifications

<p><b>Optical Input:</b>          Number of Inputs: 1          Connector: Female SC/PC, ST/PC, FC/PC          Operating Wavelength:          1270nm to 1610nm          Max. Input Power: 0dBm          Optical Sensitivity: -28dBm</p> <p><b>Analog Video Outputs:</b>          Standards: NTSC, SMPTE 170M, PAL, ITU-R624-4          Number of Outputs: 2 on 7707CVRA          2 (1 per video channel) on          7707CVRA-2          Connector: BNC per IEC 60169-8 Amendment 2          System bandwidth: 5.5MHz          Output Level: 1V p-p (nominal), 2V p-p maximum          Gain: Unity gain nominal, adjustable 50% to 150%          Output Impedance: 75Ω          Return Loss: &gt; 20dB          SNR: &gt; 70dB          Differential Gain: &lt; 1.0%</p>	<p>Differential Phase: &lt; 0.7°          Pre-Emphasis: Cable loss compensation for up to 250m of Belden 1694A (each output adjustable separately)          Passband Ripple:          NTSC: &lt; ±0.1dB to 4.1MHz and &lt; ±0.2dB to 5.5MHz          PAL: &lt; ±0.1dB to 4.8MHz and &lt; ±0.2dB to 5.8MHz          Chroma/Luma Gain: 98%-103%          Chroma/Luma Delay:          NTSC: &lt; 5ns          PAL: &lt; 12ns          Line Time Distortion: 1.2%</p> <p><b>Analog Audio Outputs:</b>          Number of Outputs: 4          Type: Balanced analog audio          Connector: 12-pin removable terminal block          Output impedance: 66Ω          Freq. Response: ±0.1dB, 20Hz to 20kHz          THD 20Hz-20kHz: &lt; 0.005%</p>	<p>Channel Phase Diff.: ±1°          SNR (weighted): &gt; 85dB          Output Level Adj: -20dB to +3dB          Max Output Level: +24dBu into 10kΩ loads</p> <p><b>System Performance (7707CVTA + 7707CVRA or 7707CVTA-2 + 7707CVRA-2):</b>          Video Input to Output Delay: &lt; 10μs          Audio Input to Output Delay: &lt; 1.9ms</p> <p><b>Electrical:</b>          Voltage: +12V DC          Power: 12W          EMI/RFI: Complies with FCC Part 15, Class A EU EMC directive</p> <p><b>Physical:</b>          Number of slots: 1</p>
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## Ordering Information

<b>7707CVRA</b>	Analog Video with 4-Channel Analog Audio Fiber Receiver, VistaLINK®
<b>7707CVRA-2</b>	Dual Analog Video with 4-Channel Analog Audio Fiber Receiver, VistaLINK®

**Ordering Options** Rear Plate and Fiber Connector must be specified at time of order  
 Eg: Model +SC +3RU

<b>Rear Plate Suffix</b>	
<b>+3RU</b>	3RU Rear Plate for use with 7700FR-C Multiframe
<b>+1RU</b>	1RU Rear Plate for use with 7701FR Multiframe
<b>+SA</b>	Standalone Enclosure Rear Plate

<b>Connector Suffix</b>	
<b>+SC</b>	SC/PC
<b>+ST</b>	ST/PC
<b>+FC</b>	FC/PC

<b>Enclosures</b>	
<b>7700FR-C</b>	3RU Multiframe which holds up to 15 single slot modules
<b>7701FR</b>	1RU Multiframe which holds up to 3 single or dual slot modules
<b>S7701FR</b>	Standalone Enclosure

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