

7708RGBT/DVIT

RGBHV / DVI / KVM Transmitter



The 7708RGBT and 7708DVIT are VistaLINK® SNMP-capable RGBHV/DVI/KVM transmitters for high resolution/high quality RGB and DVI video signals. This single card module accepts one analog RGBHV or digital DVI video input up to WUXGA resolution and transmits it over a single or dual fiber or COAX. The 7708RGBT and 7708DVIT are also available with analog audio, keyboard + mouse, serial and USB 2.0 options. The companion 7708RGR and 7708DVIR RGBHV/DVI/KVM Receivers demultiplex the signals and converts them back to the electrical domain.

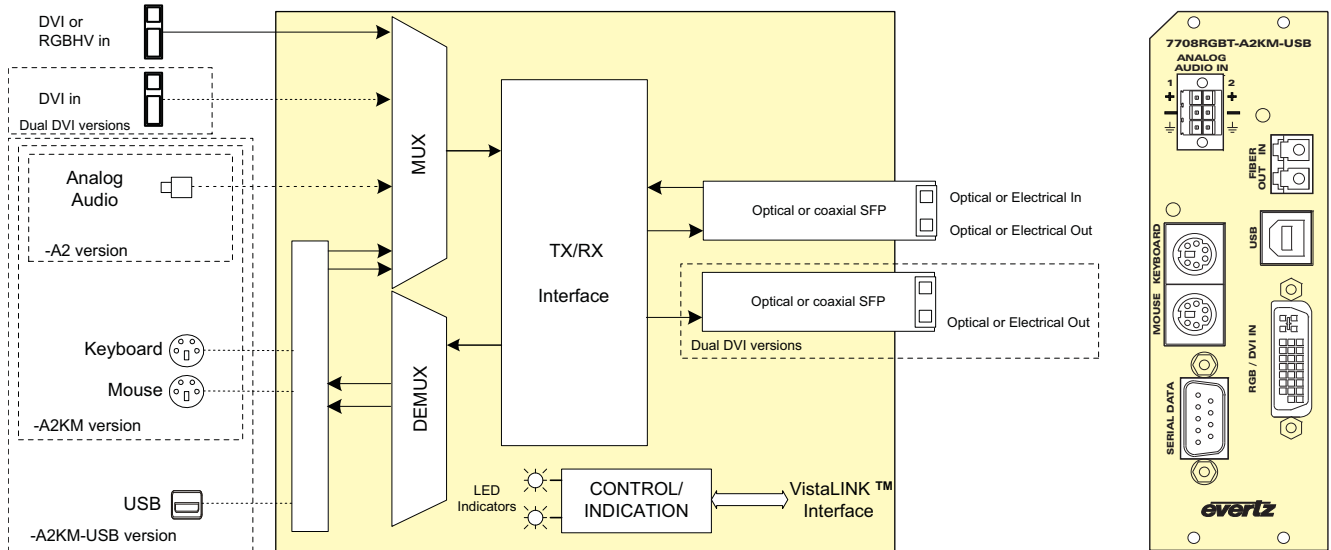
The fiber output is available in an assortment of optical wavelengths, accommodating 1310/1550nm and CWDM transmission schemes. Optional COAX SFP is also available. (See ordering options)

The 7708RGBT/DVIT occupies one card slot (two card slots for the A2KM and A2KM-USB versions) and can be housed in a 1RU frame, which will hold up to three modules. It can also be housed in a 3RU frame that will hold up to 15 modules (seven for A2KM and A2KM-USB versions), and a 350FR portable frame that will hold up to seven modules (three for A2KM and A2KM-USB versions). See the physical specifications for the slot count.

The 7708DVIT provides the same features listed above as the 7708RGBT; however, it only supports a digital (DVI) input.

Features & Benefits

- Supports DVI or RGBHV transport over a single fiber/coax
- Both RGBHV and DVI outputs available simultaneously on companion receiver (RGR version)
- 3G router compatible for KVMX applications
- VESA video resolutions supported up to WUXGA
- Full 24 bits per pixel color resolution
- Ideal for use with high resolution LCD, plasma and projection screens
- Superior digital data transmission
- 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 7800FR or 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame
- Fully hot-swappable from front of frame with no fiber or electrical disconnect/reconnect required
- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- Optical output wavelengths at 1310nm, 1550nm and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- Optional 2 channel stereo analog audio
- Optional keyboard, mouse and serial
- Optional USB 2.0 interface
- Optional electrical SFP modules (+DIN)



The Complete Solution Provider





Specifications

<p>Video Input: Standards: RGBHV or DVI 1.0, VESA Number of Inputs: 1 (or 2 on Dual DVI) Connectors: 28-pin DVI (with Analog on RGBT) Video Resolution: Up to WUXGA (1920x1200) at 75Hz Video Bandwidth: 500MHz Color Resolution: 24 bits Analog Output Level: 1V p-p (maximum) Analog Output Impedance: 75Ω Signal/Noise Ratio: > 55dB</p> <p>Analog Audio Input (A2, A2KM & A2KM-USB versions): Number of Inputs: 2 Type: Balanced analog audio Connector: 12-pin removable terminal block Impedance: High Impedance (> 20kΩ) Frequency Response: ±0.1dB (20Hz to 20kHz) THD: < 0.005% (20Hz to 20kHz) Channel Phase Diff: < ±1° SNR: > 85dB Max. Input Level: +24dBu Signal Quantization: 24 bits</p>	<p>Serial, Keyboard/Mouse, USB Input/Output (A2KM & A2KM USB versions): Standards: USB 2.0 Number: 3 (A2KM versions), 4 (USB versions) Connector: 2 PS2 for keyboard & mouse 1 USB Type B, 1DB-9F serial</p> <p>Optical Inputs: Number of Inputs: 1 per SFP Connector: Female LC/UPC Wavelength: 1270 to 1610nm Maximum Power: -1dBm Optical Sensitivity: Standard: -21dBm</p> <p>Optical Output: Number of Outputs: 1 per SFP Connector: Female LC/UPC Wavelengths: Standard: 1310nm CWDM: 1270nm - 1610nm Output Power: 1310nm: -2dBm ±1dBm CWDM: +4dBm ±1.5dBm</p>	<p>Electrical Output: Number of outputs: 1 per SFP (when fitted with +DIN option) Connector: DIN Type 1.0/2.3 connector (75Ω)</p> <p>Electrical Input: (A2KM & A2KM-USB versions): Number of inputs: 1 per SFP (when fitted with +DIN option) Connector: DIN Type 1.0/2.3 connector (75Ω) Equalization: Typical 100m @ 3Gb/s</p> <p>Electrical: Voltage: +12V DC Power: 13W (based on options)</p> <p>Physical (number of slots): Standard and A2 versions: 1 A2KM and USB versions: 2</p> <p>Compliance: Laser Safety: Class 1 laser product Complies with 24 CFR 1040.10 and 1040.11 IEC 60825-1 Complies with FCC Part 15, Class A EU EMC directive</p> <p>EMI/RFI:</p>
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Ordering Information

7708RGBT	RGBHV/DVI Transmitter, 3G router compatible, VistaLINK® (must specify SFP module)
7708RGBT-A2	RGBHV/DVI + 2 Analog Audio Transmitter, 3G router compatible, VistaLINK® (must specify SFP module)
7708RGBT-A2KM	RGBHV/DVI + 2 Analog Audio + Bi-di Keyboard and Mouse Transmitter, 3G router compatible, VistaLINK® (must specify SFP module)
7708RGBT-A2KM-USB	RGBHV/DVI + 2 Analog Audio + Bi-di Keyboard and Mouse + USB 2.0 Transmitter, 3G router compatible, VistaLINK® (must specify SFP module)
7708DVIT-USB	DVI + USB 2.0 Transmitter, 3G router compatible (must specify SFP module)
7708DVIT-A2-USB	DVI + Stereo Audio + USB 2.0 Transmitter, 3G router compatible, VistaLINK® (must specify SFP module)
7708DVIT-2	Dual DVI Transmitter, 3G router compatible, VistaLINK®, SFP's ordered separately, two required - consult factory for options
7708DVIT-2-USB	Dual DVI + USB 2.0 Transmitter, 3G router compatible, VistaLINK®, SFP's ordered separately, two required - consult factory for options
7708DVIT-2-A2-USB	Dual DVI + Stereo Audio + USB 2.0 Transmitter, 3G router compatible, VistaLINK®, SFP's ordered separately, two required - consult factory for options

Electrical Ordering Options

+DIN	SFP Transceiver, DIN Type, supports rates up to 3Gb/s
Optical Ordering Options	
+13	SFP Transceiver, 1310nm, standard sensitivity receiver, supports rates up to 3Gb/s
+Cxx	SFP Transceiver, CWDM, standard sensitivity receiver, supports rates up to 3Gb/s

Note: xx - 27 to 61 and 55 = 1550nm laser

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

Rear Plate Suffix

+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RURear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Enclosures

350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules
7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure