



3000DVT – Digital Video Tiler

Linear Video Wall Solution

The presentation of live/moving video images across large linear multi-display video walls is becoming infinitely more popular and challenging. Evertz is up to the challenge with our new EFX series of video wall solutions. The EFX is the ideal solution for displaying eye catching graphics on a very grand scale. At the core of the Evertz EFX video wall technology is the 3000DVT Digital Video Tiler. The 3000DVT is used to handle the scaling and windowing necessary to construct a linear video wall. When using Evertz EFX solution no video wall is too large, too complex, or too budget oriented.

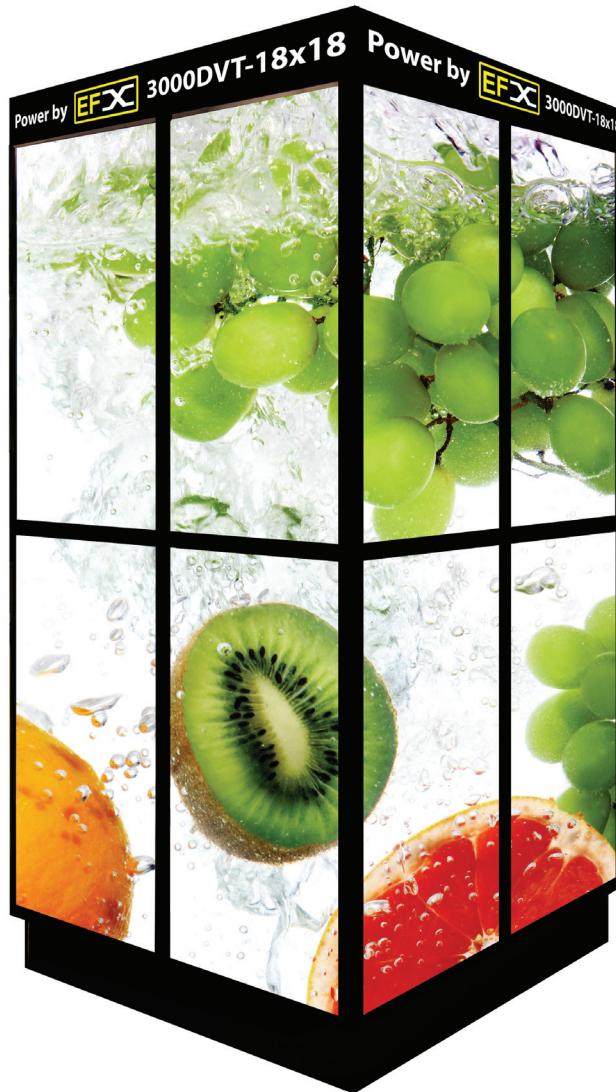
The 3000DVT Digital Video Tiler enables large scale video walls in a small scale package. The EFX has the ability to accept up to 18 live real time video inputs

and drive up to 18 displays from a single card. For video walls that are larger than 18 displays, an unlimited number of 3000DVT can be stacked together to create the largest video walls in the market.

The 3000DVT takes full advantage of the advanced scaling technology developed for Evertz award winning multi-image display product lines. With support for up to 3Gbps inputs and outputs, the highest resolution sources and displays can be used. 3000DVT modular card fits in a 3RU or 6RU chassis each with dual power supplies, the internal hardware is solid state to insure the highest possible up time. Designed to exceed reliability requirements, the 3000DVT boasts a 100,000 MTBF number.

►Features & Benefits

- Solution for linear multi-display video wall layouts (2x2, 3x3, 2x4, 4x4, etc)
- Display single input across all outputs (1 to all or 1 to 1)
- 9 or 18 serial digital inputs and outputs (up to 3Gbps each)
- Input formats: SD-SDI, HD-SDI and 3Gbps
- Output formats: SD-SDI, HD-SDI and 3Gbps
- DVI/HDMI/RGB, Analog composite/component inputs/outputs (requires conversion)
- 3000DVTX version supports upstream router source switching with 2x1 interface on board (XLINK enabled)
- Support for rotated outputs (portrait displays)
- Simple, intuitive, and touch friendly control software included
- Thumbnails generated by hardware and sent to software for easy source identification
- Advanced effects, such as fades, wipes, and other transitions between layouts or sources are possible
- Third party control supported; AMX & Crestron
- Production switcher control interface



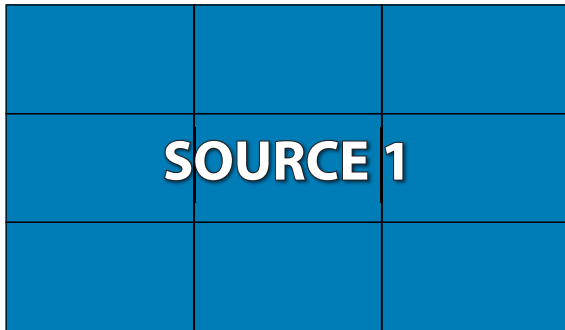
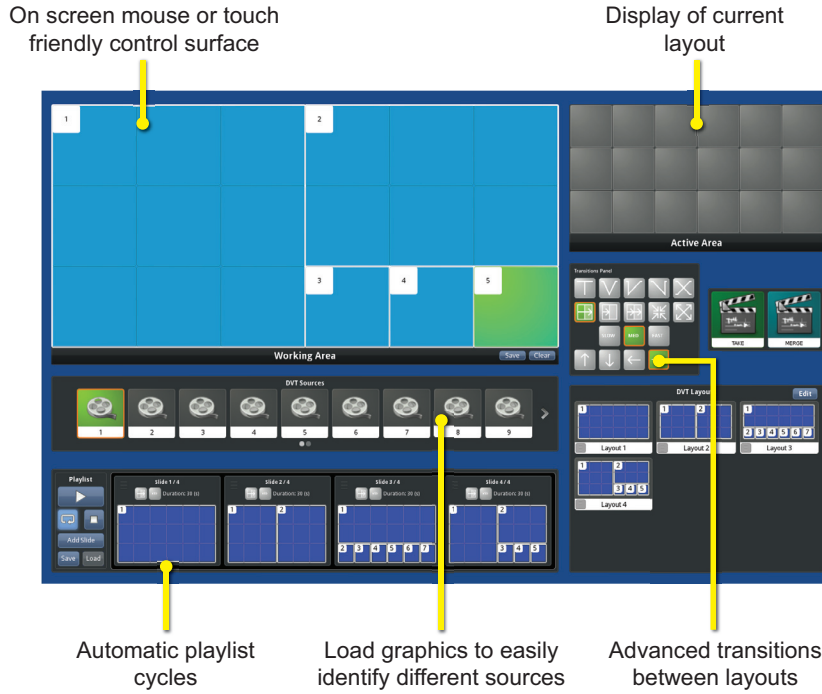
Example of a linear 16 display wall



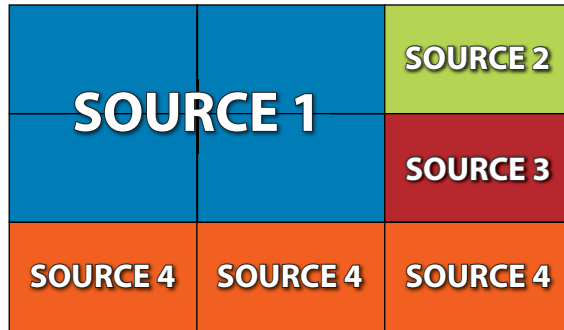
3000DVT Rear Plate View

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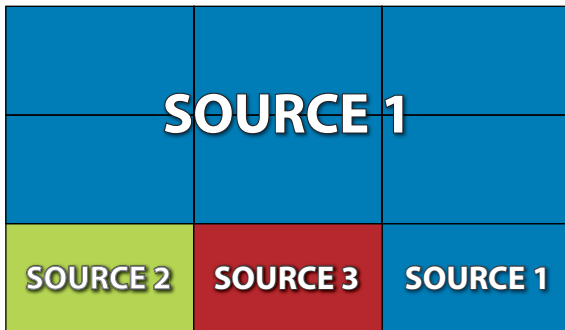




Example 1: Any input can be display across all outputs (1 to all)



Example 2/3: Each input must fill the entire output. Any source can be displayed on any output at any total aspect ratio



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Example 3: Minimum window size is equal to one output (1 to 1)



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Specifications

Serial Video Inputs:		Connector:	Mini DIN 1.0/2.3	Rise and Fall Time:	
Standard:	3Gbps (SMPTE 424M), HD-SDI (SMPTE ST 292-1), SD-SDI (SMPTE ST 259-C)	Signal Level:	1V nominal	HD:	200ps nominal
		DC Offset:	0V ±0.1V	SD:	740ps nominal
		Input Impedance:	75Ω	Overshoot:	< 10% of amplitude
		Return Loss:	40dB up to 5MHz		
Number of Inputs:	9 (3000DVT-9x9) 18 (3000DVT-18x18)	Component Analog Video Inputs:		Display Video Output:	
Connector:	Mini DIN 1.0/2.3	Standard:	YPbPr or RGB: SMPTE/EBU N10, NTSC related	Standard:	VESA (DVI-D)
Equalization:	Automatic to 100m (Belden 1694A)		**requires external conversion		**requires external conversion
Return Loss:	> 15dB up to 270Mb/s	External conversion:	7730ADC	External conversion:	2430RX-2
Input Impedance:	75Ω	Number of Inputs:	9 (3000DVT-9x9) 18 (3000DVT-18x18)	Number of Outputs:	9 / 18 @ up to 1920x1200
				Connector:	YPbPr/RGB or 0.7V p-p VGA, 60Hz refresh
Computer Video Input:				Impedance:	50Ω
Standard:	VESA/DVI **requires external conversion	Connector:	Mini DIN 1.0/2.3	Ethernet:	
External conversion:	7767RGBT-VIP-3G	Signal Level:	1V nominal	Network Type:	Fast Ethernet 100 Base-TX 1EEE
Number of Inputs:	9 (3000DVT-9x9) 18 (3000DVT-18x18)	DC Offset:	0V ±0.1V		802.3U standard for 100Mbps base band CSMA/CD local area network
Connector:	Mini DIN 1.0/2.3	Input Impedance:	75Ω	Connector:	RJ-45 x2
Input Resolution:	1024x768 (XGA) to 1920x1200 (WUXGA)	Return Loss:	>30dB up to 30MHz		
		Serial Video Output:		Electrical:	
Composite Analog Video Inputs:		Standard:	3G/HD/SD serial output	Voltage:	+12V DC
Standard:	NTSC (SMPTE 170M), PAL (ITU624-4)	Number of Outputs:	9 (3000DVT-9x9) 18 (3000DVT-18x18)	Power:	100W
	**requires external conversion	Connector:	Mini DIN 1.0/2.3	Safety:	EMI/RFI: Complies with FCC Part 15, Class A, EU EMC Directive
External conversion:	7837CD2	Signal Level:	800mV nominal		
Number of Inputs:	9 (3000DVT-9x9) 18 (3000DVT-18x18)	DC Offset:	0V ±0.5V		

Ordering Information

3000DVT-9x9	EFX Digital Video Tiler, 9 inputs to 9 outputs, 2 slots
3000DVT-18x18	EFX Digital Video Tiler, 18 inputs to 18 outputs, 2 slots
3000DVTX-16X8	EFX Digital Video Tiler, with 2x1 interface for upstream router support, 8 inputs to 8 outputs (XLINK enabled)
3000DVTX-32X16	EFX Digital Video Tiler, with 2x1 interface for upstream router support, 16 inputs to 16 outputs (XLINK enabled)

Enclosures	
EMX3-FR	3RU chassis, 5 slots
EMX6-FR	6RU chassis, 15 slots

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