

NEXIS

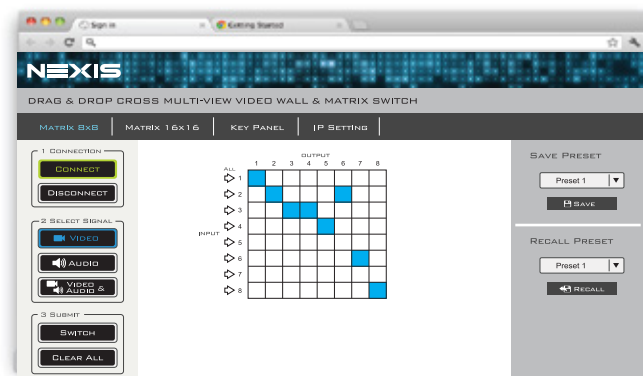
DRAG & DROP CROSS MULTI-VIEW VIDEO WALL & MATRIX SWITCH



NEXIS Video Wall & Matrix switch includes seamless switching that employs a FPGA matrix architecture and support Drag & Drop Windows, Cross Screen, PIP and Dual View



VW8208 (2U), VW8316 (3U)



WEB BASED CONTROL

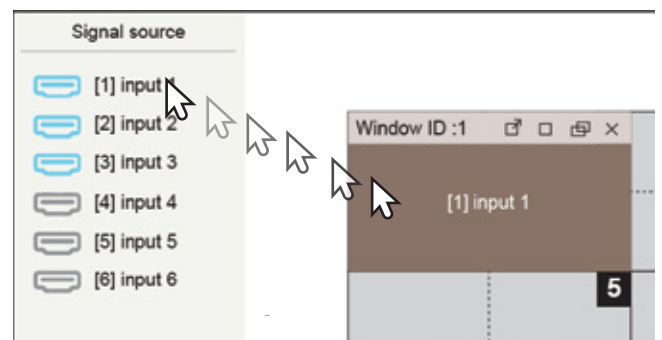
PC Notebook Tablet without software

- › Web based control to select video source and profiles
- › Save & Recall Profiles support
- › Front panel LCD display with button control

DRAG & DROP, PROFILE SETUP

What you see is what you get

- › Real seamless switching just Drag & Drop video source
- › Create Profiles & save into Controller or PC support



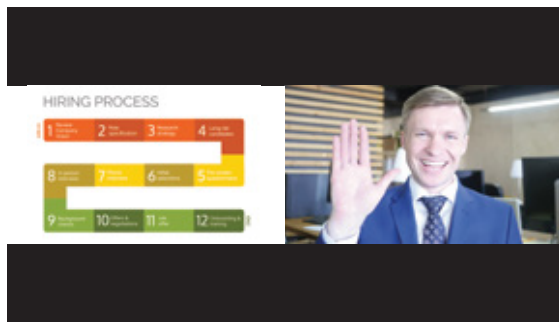
ADVANCE DISPLAY LAYOUT

Cross screen, PIP, Dual View

FLEXIBLE LAYOUT



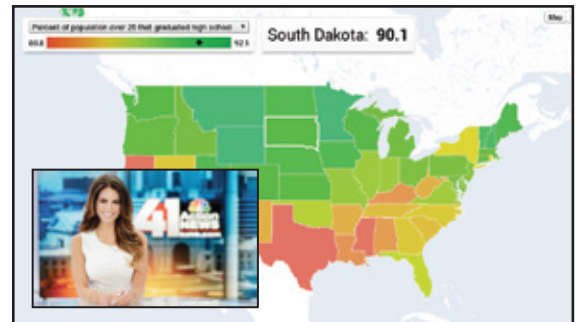
DUAL VIEW



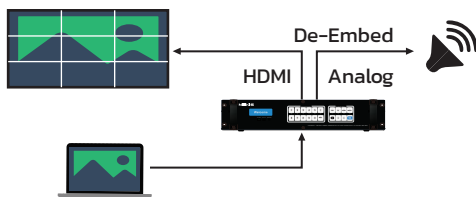
CROSS SCREEN



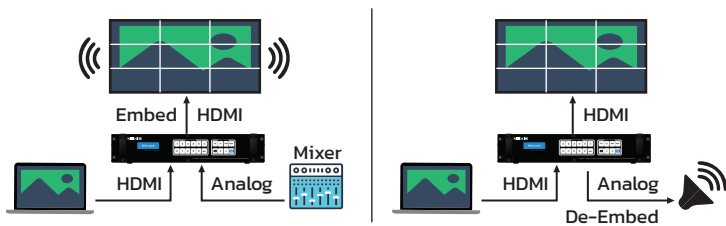
PIP



Output Card



Input Card



COMBIND & SEPARATE AUDIO

No Extra Cost for Embed / De-Embed

- › Each HDMI output can be separately muted audio
- › Each CH on Output card support audio de-embedded
- › Each CH on Input card support audio embedded and de-embedded
- › Video/Audio synchronized switching & auto delay for audio

GENERAL FEATURES

- › FPGA Processor
- › Modular Design – User can choose 4, 8, 12 or 16 ports according to requirement.
- › Max. 8 In/8 Out (2U Rack) & 16 In/16 Out (3U Rack)
- › Support DVI 1.0 protocol & compatible with
- › HDCP 1.3/HDMI 1.4
- › In/Out Max. Resolution : 1920x1200@60Hz
- › Support EDID read & management by PC software
- › PC Software control via Ethernet, RS232/485
- › 3rd party Central controller support via RS232/485
- › Intelligent fan cooling management
- › Support firmware online update

Specifications

	Specification	VW8208	VW8316
Interface	Input card can be connected to Quantity / Input channels	2 Cards / 8 Input	4 Cards / 16 Input
	Output card can be connected to Quantity / Input channels	2 Cards / 8 Output	4 Cards / 16 Output
	Input / Output card type	HDMI+Audio In/Out (mini jack)	HDMI+Audio Out (mini jack)
	Interface Bandwidth	6.75Gbps	6.75Gbps
Serial Port Control	Serial Port Control Interface	1x RS232 Input, 9 pin Female 1x RS232 Output, 9 pin Male	1x RS232 Input, 9 pin Female 1x RS232 Output, 9 pin Male
	Baud rate and protocol	Baud rate: 9600, Data bit: 8, Stop bit: 1, Parity: none	Baud rate: 9600, Data bit: 8, Stop bit: 1, Parity: none
	Structure of serial control	9-pin Female : 2 = TX, 3 = RX, 5 = GND 9-pin Male : 2 = RX, 3 = TX, 5 = GND	9-pin Female : 2 = TX, 3 = RX, 5 = GND 9-pin Male : 2 = RX, 3 = TX, 5 = GND
Keyboard control	Interface	Four-way 3.8mm phoenix interface	Four-way 3.8mm phoenix interface
	Usage	Use with expansion keyboard	Use with expansion keyboard
	Pin Assignment	+5V=DC5V, +=DATA+, -=DATA-, GND= Signal ground	+5V=DC5V, +=DATA+, -=DATA-, GND= Signal ground
Ethernet Control	Interface	RJ45 female interface	RJ45 female interface
	Protocol	TCP/IP	TCP/IP
	Ethernet control speed rate	Adaptive 10M / 100M, full-duplex or half-duplex	Adaptive 10M / 100M, full-duplex or half-duplex
Chassis	Processor	FPGA	FPGA
	Power Supply	100VAC ~ 240VAC, 50/60 Hz	100VAC ~ 240VAC, 50/60 Hz
	Storage, Operation Temperature	0~ +50°C	0~ +50°C
	Storage, Operation Humidity	20% ~70%	20% ~70%
	Dimension (WxDxH)	445x400x88 mm	445x400x132 mm
	Rack mountable	2U with handle	3U with handle
	Power consumption (without card)	About 18W	About 18W
	Button	12 Button for Channel 8 Button for Control	12 Button for Channel 8 Button for Control
	LCD Front Panel	Yes	Yes
	LED Status	Power, Active, Sensor	Power, Active, Sensor
	Mean time between failures	30,000 hours	30,000 hours



Specifications

VW7804 Specification		Input Card/Board
Video	Supported resolution	800x600@60, 1024x768@60, 1280x720@60, 1280x768@60, 1280x800@60, 1280x960@60, 1280x1024@60, 1360x768@60, 1366x768@60, 1440x900@60, 1600x900@60, 1600x1200@60, 1920x1080@25, 1920x1080P@30, 1920x1200P@60, 1920X1080P@60, 1920x1080i@50, 1920X1080i@60;
	Clock Jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%~80%)
	Fall time	<0.3Tbit (20%~80%)
	Maximum transmission delay	5nS(±1nS)
	Interface	Four-way HDMI-A interface, four-way 3.5mm audio input & output
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Min/Max signal level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	Default EDID and reading function
	Maximum DC bias error	15mV
	Weight	About 0.5KG
	Max. Power consumption	15W

VW8804 Specification		Output Card/Board
Protocol		HDMI1.3a, HDCP1.3 protocol, DVI1.0 protocol
Video	Gain	0dB
	Pixel bandwidth	165MHz, all-digital
	Interface bandwidth	2.25Gbps, all-digital (6.75Gbps in all, each color is 2.25Gbps)
	Supported resolution	800x600@60, 1024x768@60, 1280x720@60, 1280x768@60, 1280x800@60, 1280x960@60, 1280x1024@60, 1360x768@60, 1366x768@60, 1440x900@60, 1600x900@60, 1600x1200@60, 1920x1080@25, 1920x1080P@30, 1920x1200P@60, 1920X1080P@60, 1920x1080i@50, 1920X1080i@60;
	Clock Jitter	<0.15 Tbit
	Rise time	<0.3Tbit (20%~80%)
	Fall time	<0.3Tbit (20%~80%)
	Maximum transmission delay	5nS(±1nS)
	Interface	Four-way HDMI-A interface, four-way 3.5mm audio output
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Min/Max signal level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	N/A
	Maximum DC bias error	15mV
	Weight	About 0.5KG
	Max. Power consumption	15W

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