

NEXIS

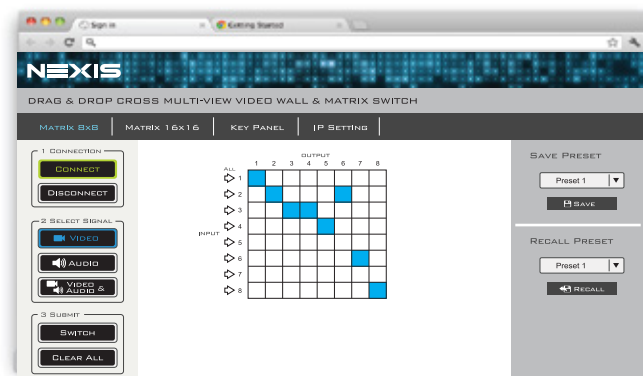
DRAG & DROP CROSS MULTI-VIEW VIDEO WALL & MATRIX SWITCH



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)

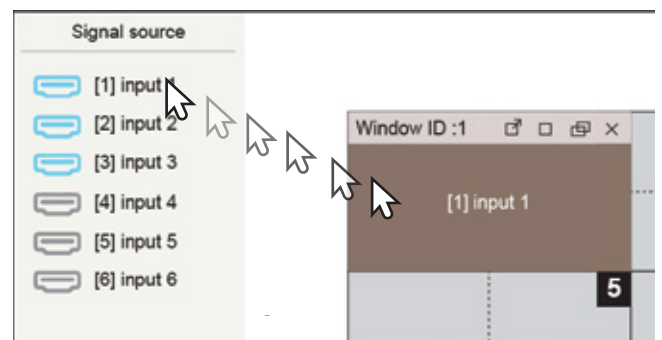


WEB BASED CONTROL PC Notebook Tablet without software

- › 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



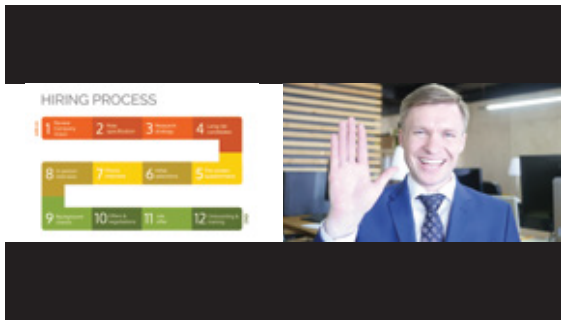
ADVANCE DISPLAY LAYOUT

Cross screen, PIP, Dual View

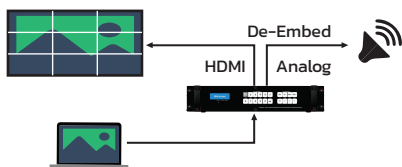
FLEXIBLE LAYOUT



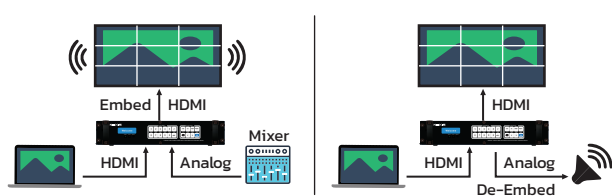
DUAL VIEW (PAP)



Output Card



Input Card



FLEXIBLE CONTROL

Multiple control methods

- › Software and Mobile / Tablet / iPad control

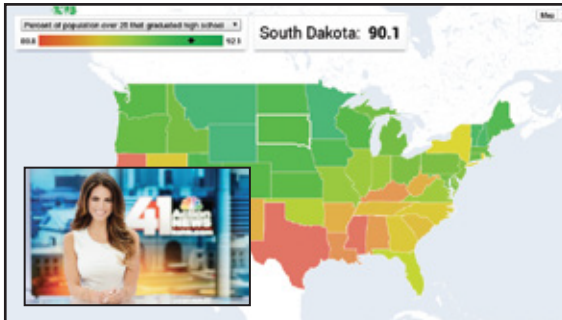
GENERAL FEATURES

- › 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

CROSS SCREEN (OVERLAY)



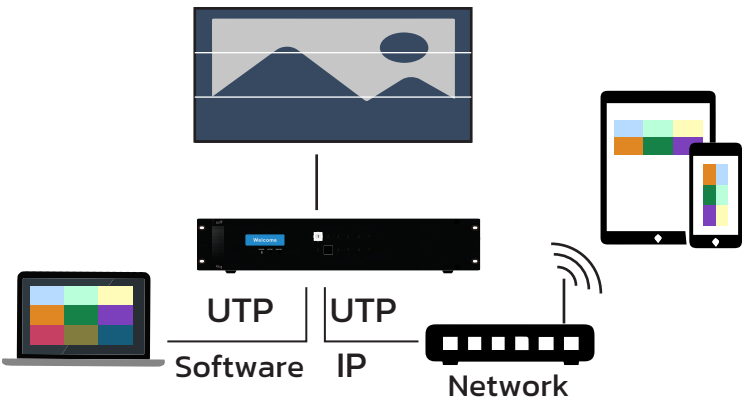
PICTURE IN PICTURE (PIP)



COMBIND & SEPARATE AUDIO

No Extra Cost for Embed / De-Embed

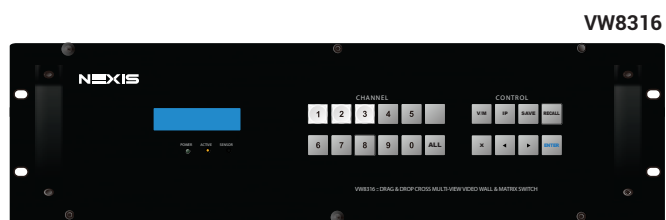
- › Each HDMI output can be separately muted audio
- › Each CH on Output card support audio de-embedded



- › 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
Displaying Feature	Flexible Display Features	Cross Screen (Overlay)	
	Multiple Display	Picture in Picture (PIP)	
	Dual Content Display	Picture and Picture (PAP)	
	Support Mobile Control Devices	Support Mobile Devices (Tablet) through TCP/IP connection	
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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