YivivenA&V

YivivenA&V PRODUCTS BROCHURE

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Video Wall Controller

Modular Design Video Wall Controller

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Modular Design Video Wall Controller

Modular design video wall controller

▶ Product Description

8x8 series is a high-performance video wall controller powered by YivivenA&V. It retains Yiviven's traditional stable and reliable operational ability, but at the same time supports various interfaces and business modules for flexible and personalized combination, along with the convenience for future upgrading.

▶ Features

- Support Flexible Modular desgin
- Support flexible layout
- Support 8 image in one window with any layout.
- Support Auido Built-in,Ipad Control .
- 4K@60Hz 4:4:4 RGB
- Support multi-wall management
- Support input signal preview
- Support hot-swap
- Support pixel to pixel
- Support scrolling text

▶ Product Model

Model	Name
Modular Design	Modular Design video wall controller

▶ Specifications

Video input	Interface Type	HDMI/DP/DVI/SDI/VGA
	Singal format	HDMI1.3/HDMI1.4/HDMI2.0/DP1.2/DVI1.0/SD-SDI/3G-SDI/HD-SDI
	Input resolution	Maximum support 3840x2160@60Hz
Video output	Interface Type	HDMI/DP/DVI
	Singal format	HDMI1.3/HDMI2.0/DP1.2/DVI1.0
	Output resolution	Maximum support 3840x2160@60Hz
Size	1U/2U/3U/4U/5U/7U/14U	
Weight	4.5KG/10KG/11KG/12KG/15KG/25KG	

▶ Modular Design

Model	Specification
1U	1U Chassis, maxim support 8 channel input, and 8 channel output, with 1 input slot and 2 output slot with multi-wall control built- in, scrolling text
2U	2U Chassis, maxim support 16 input, and 32output, only support 8 channel input card and output card, 4channel input and output card can not be used on 2U chassis
3U	3U chassis, support 36 channel input, and 24 channel output, with 3 slot of 8 input, 3slot of 8 channel input, 3 slot for 4 channel input, total can support 36 input. if slot use 4channel, that will be support 24 input, 6slot for output, that's total support 24 output, with preview function, multi-wall control and scrolling text, audio, built in
5U	5U chassis. Maxim support 24 input and 24 output, if use 8 channel card, maxim support 48 input and 24 output. Preview, scrolling -text, audio and multi-wall management built-in, can support power redundant supply
7U	7U chassis, support 80input, and 40 output, with 20 input slot and 10 output slot. with preview function, multi-wall control built in, audio and scrolling text built-in, can support power redundant supply
14U	15U Chassis, maxim support 160 input and 80 output, have 3 slot can support mirroring function. from 1 slot -20 slot for input, from 19 slot -21 slot for mirroring, from 22 slot -41 slot for output, can support power redundant supply

409 Video Wall Controller

▶ Product Description

The SRX-409R is a 4K ultra HD video wall controller designed by YivivenA&V. It supports 4x HDMI inputs (1x 4K@60Hz, 3x 4K@30Hz), 1x DP input (4K@60Hz), 9x HDMI outputs (1080p@60Hz), and 1x DP loop out. A single device, 5 inputs and 9 outputs (compatible with 1 in 9 out), can be combined in any number of video wall layout modes of landscape or portrait installation.

▶ Features

• Supports 4 source windows on the whole wall in multiple displaying modes: single image, PIP (Picture in Picture), POP (Picture on Picture), PYP(Picture by Picture: Up-Down or Left-Right side by side) or Quad-view.

• Supports maximum input 3840x2160@60Hz and backwards compatible and maximum output 1920x1080@60Hz.

• The source can be rotated 90° (only in single picture mode), and the upper image rotated 180° (only under picture by picture side by side by up-down mode).

• No stretching, deformation, or compression.

• Supports matrix model (single display mode 1x1).

• Support IR remote control and serial RS232 control.

• Fan-less design: Low power consumption fan-less design.

• Inputs can be PC, media player, blue ray, game console and other devices.

▶ Specifications

Mode	Full screen input resolution	Full screen output resolution	Single screen resolution
1x2	3840x1080@30Hz	3840x1080@60HZ	1920x1080@60HZ
1x3	3840x720@30HZ	5760x1080@60HZ	1920x1080@60HZ
1x4	3840x540@60HZ	7680x1080@60HZ	1920x1080@60HZ
1x5	3840x432@60HZ	9600x1080@30HZ	1920x1080@60HZ
1x6	3840x360@60HZ	11520x1080@60HZ	1920x1080@60HZ
2x1	1920x2160@30HZ	1920x2160@60HZ	1920x1080@60HZ
2x2	3840x2160@30HZ	3840x2160@60HZ	1920x1080@60HZ
2x3	3840x1440@30HZ	5760x2160@60HZ	1920x1080@60HZ

2x4	4096x1152@30HZ	7680x2160@60HZ	1280x720@60HZ
3x1	1920x3240@30HZ	1920x3240@60HZ	1920x1080@60HZ
3x2	2816x2376@30HZ	3840x3240@60HZ	1920x1080@60HZ
3x3	3840x2160@30HZ	3840x2160@60HZ	1280x720@60HZ
4x1	1776x3996@30HZ	1920x4320@60HZ	1920x1080@60HZ
4x2	2688x3024@30HZ	3840x4320@60HZ	1920x1080@60HZ
5x1	1408x3960@30HZ	1920x5400@60HZ	1920x1080@60HZ
6x1	1184x3996@30HZ	1920x6480@60HZ	1920x1080@60HZ
7x1	992x3906@30HZ	1280x5040@60HZ	1280x720@60HZ
8x1	888x3996@30HZ	1280x5760@60HZ	1280x720@60HZ
9x1	784x3969@30HZ	1280x6480@60HZ	1280x720@60HZ

Mode	Full screen input resolution	Full screen output resolution	Single screen resolution
2x5	4080x918@30HZ	9600x2160@60HZ	1280x720@60HZ
2x6	4080x765@30HZ	11520x2160@60HZ	1280x720@60HZ
2x8	4096x576@30HZ	15360x2160@60HZ	1280x720@60HZ
2x9	4032x504@30HZ	17280x2160@60HZ	1280x720@60HZ
2x10	4032x504@30HZ	12800x2160@60HZ	1280x720@60HZ
2x12	4032x378@30HZ	23040x2160@60HZ	1280x720@60HZ
3x4	4096x1728@30HZ	7680x3240@60HZ	1280x720@60HZ
3x5	4080x1377@30HZ	3840x3600@60HZ	1280x720@60HZ
3x6	4032x1134@30HZ	3840x4320@60HZ	1280x720@60HZ
3x7	4032x972@30HZ	3840x5040@60HZ	1280x720@60HZ
3x8	4096x864@30HZ	3840x5760@60HZ	1280x720@60HZ
3x9	4032x756@30HZ	3840x6480@60HZ	1280x720@60HZ
4x4	4096x2304@30HZ	5120x2880@60HZ	1280x720@60HZ
4x5	4080x1836@30HZ	5120x3600@60HZ	1280x720@60HZ
4x6	4032x1512@30HZ	5120x4320@60HZ	1280x720@60HZ
5x2	2048*2880@30HZ	6400x1440@60HZ	1280x720@60HZ
5x3	3024x2835@30HZ	6400x2160@60HZ	1280x720@60HZ
5x4	3008x2115@30HZ	6400x2880@60HZ	1280x720@60HZ
5x5	4080x2295@30HZ	6400x3600@60HZ	1280x720@60HZ
6x2	1920x3240@30HZ	7680x1440@60HZ	1280x720@60HZ
6x3	2640x2970@30HZ	7680x2160@60HZ	1280x720@60HZ
6x4	3072x2592@30HZ	7680x2880@60HZ	1280x720@60HZ
8x3	2160x3240@30HZ	10240x2160@60HZ	1280x720@60HZ
9x3	1728x2916@30HZ	5760x9720@60HZ	5760x9720@60HZ
2x11	4048x414@30HZ	21120x2160@60HZ	1920x1080@60HZ
2x12	4032x378@30HZ	23040x2160@60HZ	1920x1080@60HZ
2x13	3952x342@30HZ	24960x2160@60HZ	1920x1080@60HZ

VWC-4K 409 Pro Video Wall Controller

▶ Product Description

The VWC-4K 409 Pro video wall controller is a new generation HDMI 4K60Hz video wall controller designed by Yiviven AV. Supports 4x HDMI inputs, 2x DP inputs (simultaneous as HDMI IN1 and IN2), 9x HDMI outputs and 1x HDMI loop out. A single device, 4 inputs (2x mirrored DP) and 9 outputs (compatible with 1 in 9 out), can be combined in any number of video wall layout modes of landscape or portrait installation, and large-scale video wall can be connected by cascading more 409. It supports maximum input 3840x2160@60Hz and backwards compatible and maximum output 1920x1080@60Hz.

▶ Feature

• Pure hardware, real-time processing architecture without delay and with anti-static design.

• Supports single image, PIP (Picture in Picture), POP (Picture on Picture), PYP (Picture by Picture) or Quad-view. All video windows support free zooming, cross-screen roaming, re-sizing with arbitrary layers overlay.

• Supports signal cropping, which can remove black edges and crop the focused content to emphasize any details.

• Supports 16x video wall displaying modes such as horizontal screen 1x1 to 1x9; vertical screen 9x1 to 1x1; or mosaic type: 2x2, 2x3, 3x3, 2x4, 4x2... etc.

• Supports 4 channels of 4K60 inputs, 9x 1080p outputs

• Supports inputs and outputs rotation: any input can be rotated in 90°, 180° or 270°, and the first row of output can be rotated in 180°.

• Supports seamless real-time switching, without black screen intervals or lag during the signal switching.

• Supports IR remote control, RS232, TCP/IP control methods, with keyboard shortcuts quick operation.

• Optional audio de-embedded, audio output can follow the HDMI OUT 1 or all output ports.

• Supports full-channel 24bit, RGB 8:8:8 high color sampling depth, high-quality video image output.

▶ Specifications

Model	VWC-4K 409 Pro
Inputs	HDMI 2.0 x4; DP 1.2 x2; HDCP 2.2
Input max. video frequency	600MHz
Max. input resolution	4096x2160@60Hz
Input color depth	30bit, RGB444, YUV444
Outputs	HDMI 1.3 x9 (≤15m)
	HDMI 2.0 x1 (Loopout)
Output max. video frequency	165MHz
Max. output resolution	1920x1080@60Hz, 1920x1200@60Hz
Output color depth	24bit, RGB444
Control	IR, RS232, PC software
Power	DC 12V/5A
Consumption	36W
Storage/operation temp.	-10～50ºC/ 0～80ºC
Chassis	Metal
Dimension	437x182x44mm
G.W/ N.W	3.7KG/ 3.1KG
Package list	12V/5A Power adaptor x1
	IR Receiver x1
	IR remote x1
	RJ45 cable x1
Warranty	3 years

Matrix Switcher

Modular Design Matrix Switcher

Matrix Switcher

Hybrid Matrix Switcher

MUH0404 Matrix Switcher

▶ Product Description

4K HDMI HD matrix is a new generation of HDMI matrix, supporting HDMI 1.4a standard, resolution up to 4K@30Hz, 1080@120Hz HDMI matrix. This series contains 3 models, namely 4X4, 8X8, 16X16 HDMI fixed matrix, supporting audio and video synchronous switching, suitable for conference rooms, command centers, multimedia rooms and other application scenarios.

▶ Features

- Full hardware architecture without CPU and operating system;
- Modular design of all boards, support hot plugging, stable and reliable system;
- Using 17GHz high bandwidth chip;
- Support HDCP decryption, Blu-ray, 3D;
- Support signal timing reforming, CEC, 36-bit true color technology;
- Support HDMI 1.4a protocol version support: 4K x 2K@30Hz, 1080P@120Hz, 1080P 3D@60Hz and below resolution;
- Visual button, through the button indicator can realize the visualization of the status of the input and output channels;
- Radio-grade switching chip, image switching can be completed with a single chip, and the degree of integration is higher;
- Support button, infrared remote control, RS232 serial port, TCP/IP and other control methods;
- Support EDID adaptive function, better adapt to diversified display devices in the field,improve compatibility;
- Long-line drive capability: input with automatic equalization, effectively reduce deterministic jitter caused by line transmission;
- The output has a pre-emphasis function, so that the receiving end can still receive the signal after long-term transmission, using high-quality HDMI 2.0 version of the cable, the input and output distance can reach 25 meters;

• Input support receive delay, effectively compensate for time when the differential pair line is of equal length;

• Power down memory on-site protection function.

• HDMI video matrix adopts external power supply and aviation spiral power interface to escort the stability of the power supply.

▶ Specification

Type	4×4HDMI fixed matrix	8x8HDMI fixed matrix	16x16HDMI fixed matrix
Input port	4×HDMI	8×HDMI	16×HDMI
Output port	4×HDMI	8×HDMI	16×HDMI
Device height	1U		2U
Video resolution	480i, 576i, 480p, 576p, 720p ,1080i, 1080p@24/30/50/60/120Hz, 4K@30Hz, 1080P3D@60Hz		
Control interface	1 RS-232 IN, 1 RS-232 OUT		
Protocol standards	Support HDMI 1.4a, support EDID management, support HDCP parsing		
Color space	Support RGB444, YUV444, YUV422 color space, support x.v.Color extended color gamut standard		
ESD protection	Human body discharge mode: ± 8kV (air gap discharge) ± 4kV (contact discharge)		
Control mode	Buttons, RS232, infrared remote control, host computer software		
Power supply	DC:12V 3A		DC:12V 5A
Input voltage	power supply 100VAC ~ 260VAC, 50/60 Hz		
Dimension	438×250×45（mm）		438×250×87（mm）
Height	5kg	5kg	6kg
Work temperature	0 ºC~40 ºC/32 ºF~104 ºF		
Storage temperature	−20 ºC~60 ºC/−4 ºF~140 ºF		

Hybrid Matrix Switcher

▶ Product Description

The hybrid plug-in card matrix switcher is a high-performance professional switching equipment for audio and video signals. It is compatible with input/output signal cards of different signal types. It is used for cross-switching of multiple signal input and output, and provides independent audio and video signal input and output terminals. It can be matched with input and output signal cards at will. The seamless signal cards that can be inserted and matched include: HDMI, DVI, VGA, SDI, HDBT, CVBS, optical fiber and other seamless input/output signal cards. Combining the functions of different signal cards can solve comprehensive problems. Audio-visual issues.

This series of products is mainly used in radio and television projects, multimedia conference halls, large-screen display projects, TV teaching, command and control centers and other occasions. This product has power-off memory, audio and video synchronization and other functions, and has RS232 communication interface and TCP/IP control, which can be easily used with personal computers, remote control systems or various remote control devices.

▶ Features

• Modular design supports any seamless input/output signal card such as HDMI, DVI, VGA, SDI, HDBT, CVBS, optical fiber, etc., and can be matched at will to improve system flexibility.

• The control method is flexible, with button operation, RS232 control function and infrared control function. The network control port can also be customized on the rear panel of the hybrid card matrix series according to user needs, making it convenient for customers to use it with various control devices.

• Any combination of seamless boards can achieve seamless splicing display.

• Any combination of seamless boards can achieve seamless splicing display.

• Support 10 sets of scene saving and recall functions.

• Support EDID learning function

Extender&Connectivity

HDMI Extender

Fiber Optical Extender

Multi-viewer

4K 60 HDMI Extender

▶ **Product Description**

The Extender uses single cat-5E or cat-6(recommended) cables instead of HDMI cable to transmit high definition signal up to 60 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.

▶ **Features**

- Support HDMI 1.4，DVI1.0, HDCP 1.4
- Low power consumption, low temperature and high safety;
- Support HDMI out Downscaling

▶ **Specification**

Length of CAT-6/CAT-5E cable between Rx and TX		Up to 60 meters	
HDMI Input		K/1080p/1080i/720p/576p/576i/480p/480i	
HDMI Output		K/1080p/1080i/720p/576p/576i/480p/480i	
Max bandwidth		340MHz	
Max baud rate		3x3.4Gbps	
Input video signal		0.5~1.5Volts p-p	
Output DDC signal		5Volts p-p (TTL)	
Input HDMI cable distance		≤10m AWG26 HDMI standard cable	
Output HDMI cable distance		≤10m AWG26 HDMI standard cable	
TX Max working current		350mA	
RX Max working current		200mA	
Power adapter format	Input:AC (50HZ, 60HZ) 100V-240V		Output:DC5V/1A
Dimension (L x W x H)		81x43x22 (mm)	
TX Weight		102g	

HDMI 2.0 Fiber Optical Extender

Fiber Optical Extender

▶ Product Description

HDMI fiber extender is a device transmitting HD audio and video signal via bidirectional single fiber cable. It transmits your HD display with the high resolutions up to 20km. It supports IR, RS232 and KVM function.By using bidirectional single fiber LC interface, it has the characteristics of low cost and stable signal transmission. It can be used in security monitoring, high-definition signals between buildings, square large screens and other long-distance HDMI signal transmission fields.

▶ Features

- Support HDMI 4K@60Hz/HDCP2.2;
- Support transmitter HDMI Loop out;
- Support 3.5mm stereo output;
- Support IR;
- Support KVM;
- Support RS232;
- Comply with SFP MSA and SFF-8472 standard protocol;
- Pure hardware design, plug and play, do not need to install additional software;
- Support 4K to 1080P resolution (Downscaling).

▶ Specification

HDMI Version	4K@60Hz / HDCP2.2
HDMI resolution	The highest input resolution is 3840*2160@60Hz
Audio format	L-PCM
Fiber wavelength	1310nm; 1550nm
Fiber transmission distance	20km
The maximum operating current	1.5A/12V DC(TX), 1.2A/12V DC (RX)
Operating Temperature range	-10℃～ +55℃
Dimension (L x W x H)	106x106x17(mm)
Weight	TX:272.1g RX:273.1g

KVM/HDMI 4x1 Quad Multi-viewer

▶ Product Description

KVM/HDMI 4x1 Quad Multi-viewer is a high performance device with four HD screen segmentation, It supports mouse and keyboard control to switch four way computers. It can display 4 HD digital video signal on the same screen with a variety of video segmentation. The control methods is flexible, it can be switched via button and IR control. It's a very practical and stable multi-viewer and easy to install, it can be used in the major projects, meeting halls and other places.

▶ Features

Support 4 HDMI inputs, 1 HDMI output ;
Support 4 channels HDMI signal screen segmentation ;
Support highest resolution up to 4K@30Hz ;
Support resolution 4K,1080P,720P,1024X768,1360X768,etc;
Support IR control ;
Support audio output format: PCM ;
Supports 1 way mouse and keyboard to control 4 ways PC host ;
USB supports Windows/Linux/MAC OS and Android operation system, etc; Plug and play;
Support USB 1.1 Low speed(1.5Mb/s); Full speed(12Mb/s) ;

▶ Specification

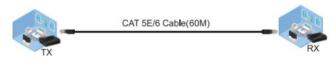| HDMI resolution	4K/30Hz
Input cable distance	4K/30Hz ≤10M AWG26 HDMI standard cable
Output cable distance	4K/30Hz ≤10M AWG26 HDMI standard cable
Max bandwidth	340MHz
Max baud rate	3.4x3Gbps
Maximum working current	400 mA
Power adapter format	Input AC (50 hz, 60 hz) 100V to 240V; Output: DC 12V 1A
Operating Temperature range	-10 ~ + 45 ℃
Dimension	256x153x35(mm)
Weight	1.2Kg

60m HDMI Extender + Audio

▶ Product Description

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 60 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.

▶ Features

- Support highest video resolution 1080p/60Hz;
- 60M long distance transmission:

- Low power consumption, low temperature and high safety.
- Both the TX and RX support 3.5mm left and right audio output.
- Support local loop out.

▶ Specification

Length of CAT-6/CAT-5E cable between Rx and TX	Up to 60 meters
HDMI Input	1080p/1080i/720p/576p/576i/480p/480i
HDMI Output	1080p/1080i/720p/576p/576i/480p/480i
Max bandwidth	150MHz
Max baud rate	4.5Gbps
Input video signal	0.5~1.5Volts p-p
Output DDC signal	5Volts p-p (TTL)
Input HDMI cable distance	≤10m AWG26 HDMI standard cable
Output HDMI cable distance	≤15m AWG26 HDMI standard cable
TX Max working current	350mA
RX Max working current	200mA
Power adapter format	Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range	-15 to +45℃
Operating Humidity range	5 to 90%RH (No Condensation)
Dimension (L x W x H)	59x56x17.5 (mm)
TX Weight	50g
RX Weight	48g

4K HDMI 8x1 Quad Multi-viewer

▶ Product Description

4K HDMI 8x1 Multi-viewer is a high performance with eight HD screen segmentation and seamless switching output switch. It can display 8 HD digital video signal on the same screen, and has a variety of video segmentation, seamless switching 8 HD input signal synchronously. The control methods of the switch is flexible, it can be switched via button and IR control. It's a very practical and stable switch and easy to install, can be used in the major projects, meeting halls and other places.

▶ Features

- Support 8 HDMI inputs, one HDMI output；
- Support 8 HDMI signal screen segmentation；
- Support 8 HDMI signal seamless switching；
- Support 4 ways to switch audio and video

(remote, button, RS232, and Ethernet port IP: 192.168.1.168；

- The input resolution support 1080P,720P,1080i,1024x768,1360x768 etc；
- The output resolution support 1080P@60Hz, 3840x2160@30Hz/60Hz；
- Support audio and video superposition；
- More clearer subtitles；
- Power: DC12V/2A；
- Net weight：792 g；
- Size(Length*Width*Height)：252mm * 105mm *25mm；

4K HDMI Switcher 4x1 with Audio

▶ Product Description

The 4x1 HDMI switcher support four HDMI ports by remote control or button to switch to a display terminal. The HDMI switcher can support all HD formats including720p, 1080i, 1080p, 2160p multichannel audio.This product comes with digital audio outputs (optical fiber and coaxial) and one 3.5 mm headphone output , so it is more suitable for home

▶ Features

• Support 3D
• Support HDCP 2.2
• Support highest video resolution 3840x2160/60Hz
• Support ARC
• Support 24/30/36 bit deep color
• Support single and high definition display for multiple sources, such as DVD Players, A/V, Receivers and Set top boxes
• DC5V/1A power supply

▶ Specification

HDMI resolution	Up to 3840x2160/60Hz
Support video format	3D
Support video color format	24/30/36 bit deep color
Support audio format	Support audio format
Max bandwidth	600MHz
Max baud rate	6X3Gbps
Input cable distance	≤5m(4K 60Hz),≤ 15m(4K 30Hz)1080p AWG26 HDMI standard cable
Output cable distance	≤5m(4K 60Hz),≤ 15m(4K 30Hz)1080p AWG26 HDMI standard cable
Max working current	450mA
Power adapter format Input	AC (50Hz, 60Hz) 100V-240V; Output: DC5V/1A
Operating Temperature range	-15℃ to +55℃
Dimension (L x W x H)	167x67x28 (mm)
Weight	240g