Modular Video Wall Controller
3D/4K dot-to-dot large scale screen solution
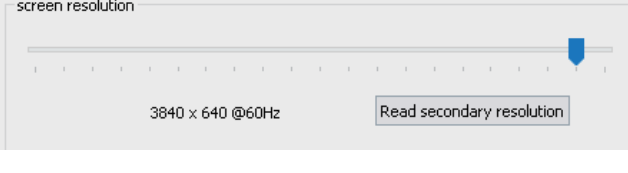
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4K 3D VIDEO PROCESSOR

MH2

MH2

* Customizable output resolution
* Support EDID Management
* 3D splicing and switching
* Pixel to pixel splicing of multi-channel 4K input
* Visualization software
* Support IPAD Control
* Support DLP\Projection edge blending
* Single port support max 8 images
* One unit supports max 288 inputs and 160 outputs
* Support 4K2K@60 Output

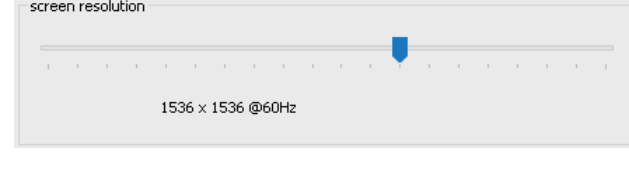## Shenzhen Great Video Science&Technology Co.,Ltd

Features

Customizable output resolution
Suppot max output resolution 3840 in horizontal and 2048 in vertical, any resolution within 3840* 2048 is configurable. One unit supports max outputs of 144*2K.
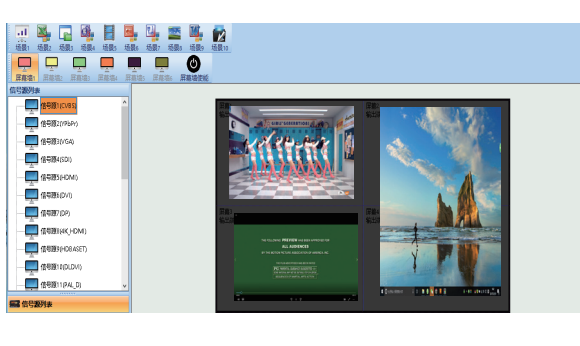
screen resolution

3840 x 640 @60hz   Read secondary resolution

Configurable input EDID
Configurable input EDID: support program PC to identify special resolution, it makes "pixel to pixel" much easier

screen resolution

1536 x 1536 @60hz

Visualization software
The software shows the displaying signal, real-time editing makes monitoring easier.
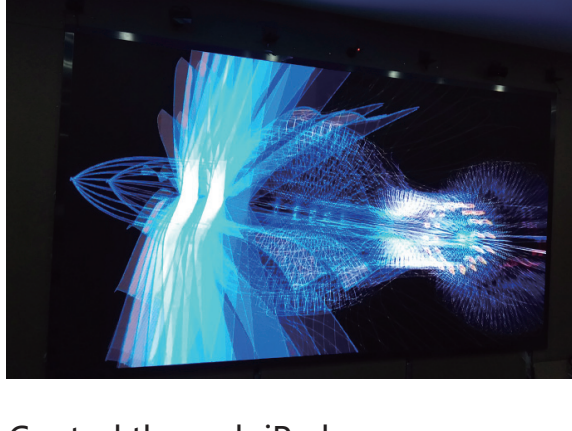
Support max 8 different images via one single port
One single port of the output module supports 8 images at the same time. Total 8 layers processing, support any overlaying at any position on the video wall.
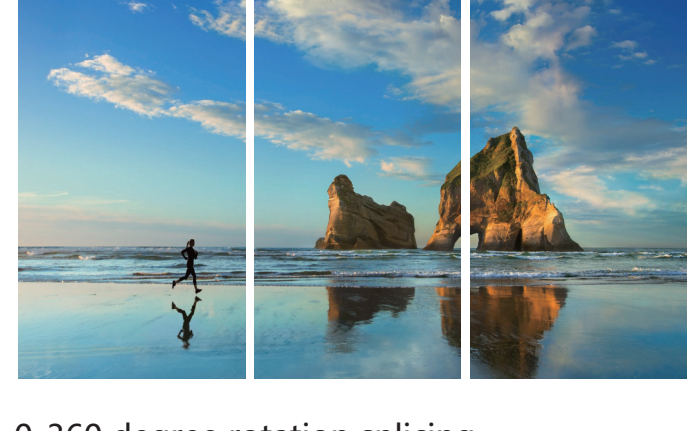
3D splicing
Support left and right eye 3D splicing mode, 120HZ input and output 3D splicing mode. With internal gen-lock 3D seamless split fusion, wtching between 2D and 3D switching between 2D and 3D mode could be done by software.

4K pixel to pixel splicing
support multi-channel 4K input, to realize huge screen pixel to pixel splicing With internal gen-lock

Control through iPad
Wireless control via IPAD, support different bank switching and Control protocols, also support third party control.

0-360 degree rotation splicing
Support any degree (0-360) rotation splicing between different sizes, different screen LED/LCD/Projectors
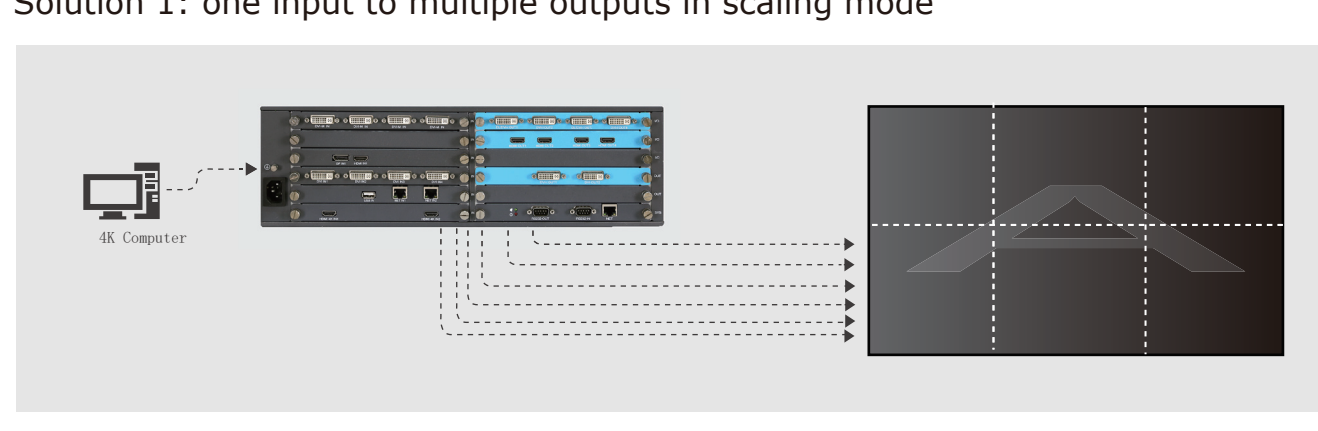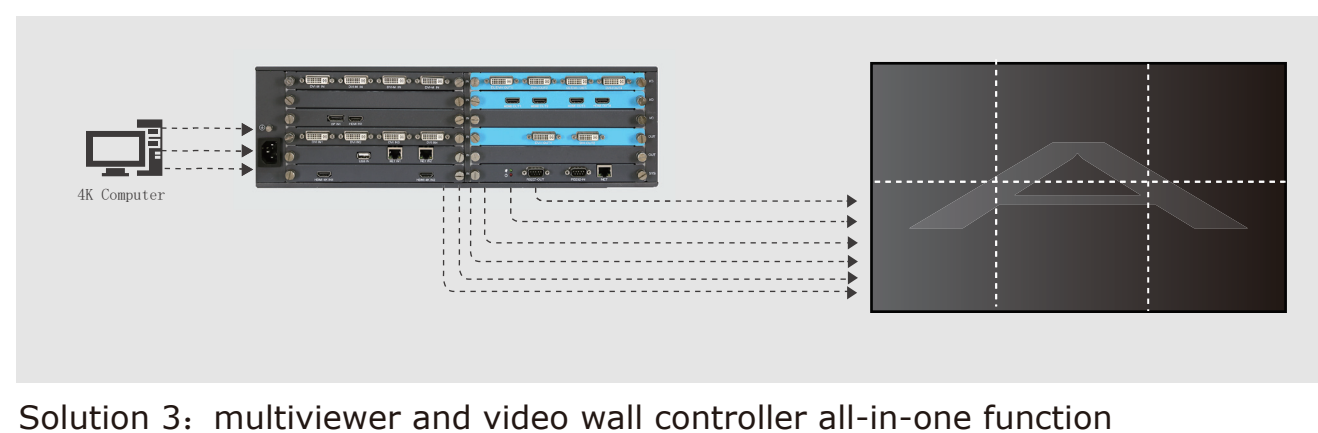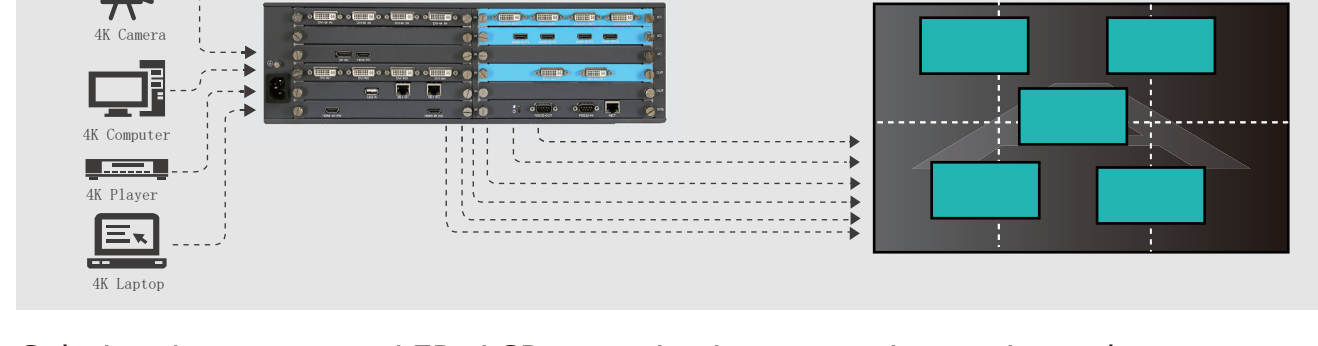
Innovation comes from the constant pursuit！

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Solutions

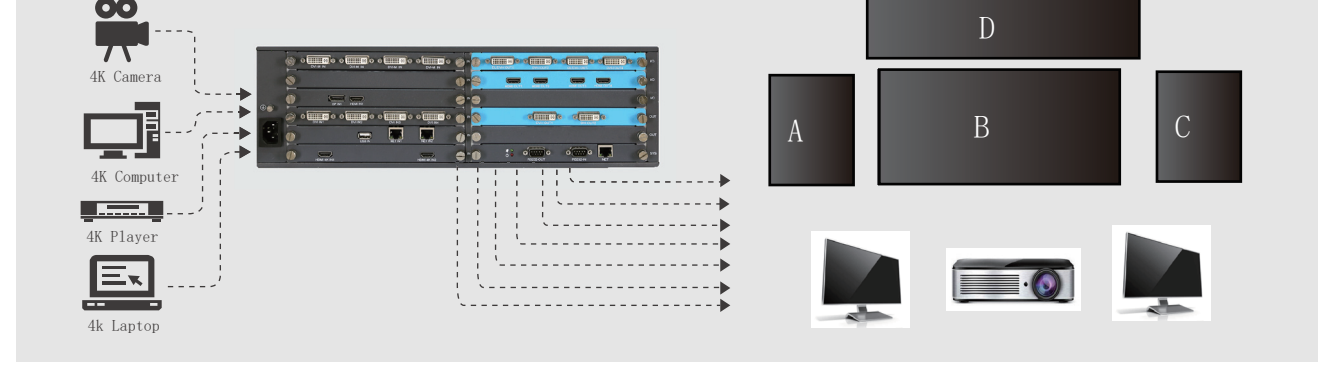### Solution 1: one input to multiple outputs in scaling mode

Solution 2: multiple inputs and outputs in pixel to pixel splicing mode

Solution 3：multiviewer and video wall controller all-in-one function

Solution 4：connect to LED, LCD or projection screen in matrix mode

Classic comes from constant effort！

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Specifications

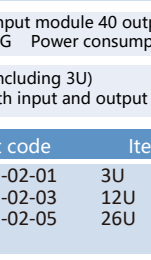|						
Input module	4 DVI-M	Input: HDMI/DVI/VGA/YPbPr/CVBS Resoluiton: 2K Power consumption: 18W		4 DVI-D	Input: HDMI 1.3/DVI 1.0 Resolution: 2K Power consumption: 12W	
	2 HDMI4K	Input: HDMI 1.4b/HDMI1.3/DVI 1.0 Resolution: 2K\4K2K@30Hz Power consumption: 12W		4 HDMI	Input: HDMI 1.3/DVI 1.0 Resolution: 2K Power consumption: 12W	
	4 SDI	Input: SDI Resolution: 3G/HD/SD Power consumption: 12W		8 CVBS	Input: CVBS Resolution: PAL、NTSC、SECAM Power consumption: 12W	
	2 IP	Input: Webcams/Ethernet Resolution: 2K Power consumption: 16W		2 4K@60Hz HDMI /DP	Input: Displayport 1.2/HDMI 2.0 Resolution: 2K\4K2K@30Hz\4K2K@60Hz Power consumption: 15W	
Output module	4 DVI	Output: DVI/VGA Power consumption: 20W Resolution: max width 3840 and max height 1080		4 HDMI	Output: HDMI 1.3/DVI 1.0 Resolution: max width 3840, height 1080 Power consumption: 20W	
	2 HDMI4K	Output: HDMI 1.4b/HDMI1.3/DVI 1.0 Resolution: Within 3840*2160@30Hz Power consumption: 20W		1 HDMI 2.0 4K@60	Output: HDMI2.0 Resolution: Within 3840*2160*60 Power consumption: 20W	
System control card	System control card	Control port : RS232 in/out, RJ45 100M Default IP: 192.168.1.200 Power consumption: 10W		Genlock System control card	Input: BNC with Genlock Control port: RS232 in/out, RJ45 100M Power consumption: 10W	
Special function module	Echo graphic card	Output: Ethernet, visual software editing Resolution: 2K Power consumption: 20W		2 DVI Preview card	Output: DVI Resolution: 2K Power consumption: 20W	
Device	Input voltage: AC input 100V~240V, 50/60Hz Power consumption: depends on module qty Temperature: 0-70℃ Humidness: 15-85% Weight: depends on module qty					
	1.5U	Supports max 5 modules: max 3 input module 2 output modules Size:485*325*70mm Weight: 63KG Power consumption: 90W				
	3U	Supports max 11 modules: max 9 input module 5 output modules Size:485*325*135mm Weight: 9KG Power consumption: 250W				
	8U	Supports max 20 modules: max 18 input module 10 output modules Size:485*310*350mm Weight: 18KG Power consumption: 450W				
	12U	Supports max 40 modules: max 36 input module 20 output modules Size:485*310*600mm Weight: 28KG Power consumption: 800W				
	18U	Supports max 60 modules: max 54 input module 30 output modules Size:485*310*870mm Weight: 29KG Power consumption: 1000W				
	26U	Supports max 80 modules: max 72 input module 40 output modules Size:485*310*1175mm Weight: 40KG Power consumption: 2000W				

P.S. for device larger than 3U (including 3U) both input and output module slots are optional for both input and output module.

MH2-1.5U
MH2-3U
MH2-8U
MH2-12U
MH2-18U

Product code	Item name		Product code	Item name	
GRV-MH2-02-00	1.5U	chassis	GRV-MH2-02-04	18U	chassis
GRV-MH2-02-02	8U	chassis	GRV-MH2-02-01	12U	chassis
GRV-MH2-02-03	3U	chassis	GRV-MH2-02-05	26U	chassis

Innovation, classics, future！

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