

Modular Video Wall Controller 3D/4K Pixel-to-Pixel Large Scale Solution



MODEL **VD3**

- Customize Output Resolution by Module
- EDID Management
- 3D Splicing and Switching
- Pixel-to-Pixel Splicing of Multi-channel 4K Input
- Visualization Software
- IPAD Control
- Projection Edge Blending
- Display up to 8 Layers by Single Port
- Up to 288 Inputs Load and 160 Output Splicing

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FEATURES

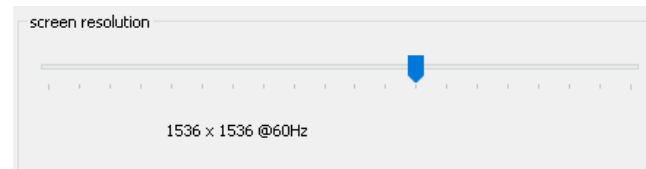
Customize Output Resolution by Module

Each installed module can be independently configured for resolution within 3840 in horizontal and 2048 in vertical. One unit Support multiple Screen with different resolution.



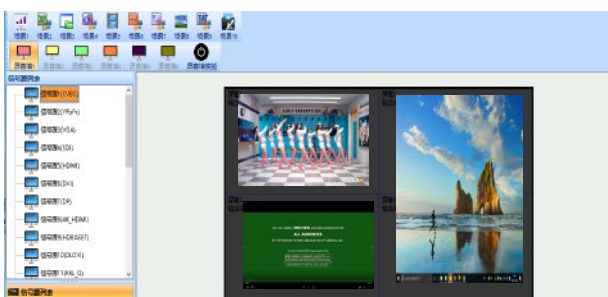
EDID Management

Customize input EDID: Support program PC to identify customized resolution, makes "Pixel by Pixel" much easier



Visualization Software

Input & Output virtual preview by software. Ideal for real-time editing.



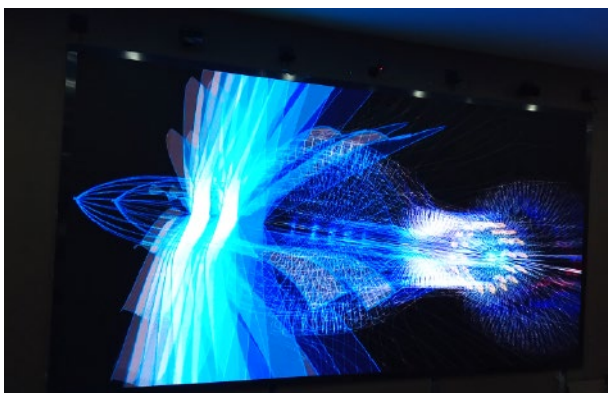
Display up to 8 Layers by Single Port

One single port of the output module supports 8 images at the same time. Total 8 layers processing, support any overlapping at any position on the video wall.



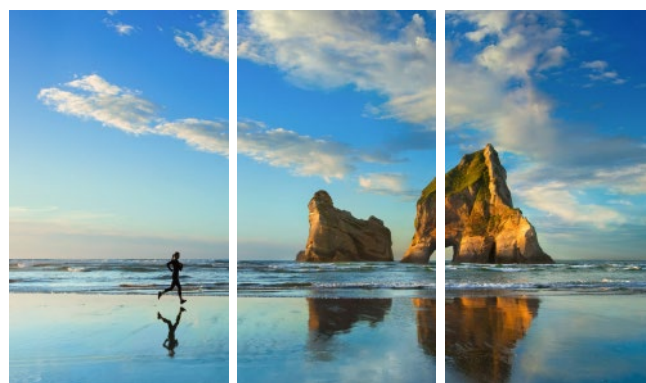
3D splicing

Support left and right eye 3D splicing mode, 120HZ input and output 3D splicing mode. With internal Genlock 3D seamless split fusion, Switching 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 wide range screen pixel to pixel splicing with internal Genlock Sync.



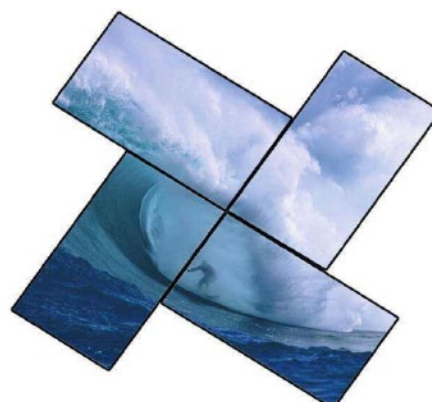
Control through iPad

Wireless control via iPad, support different preset switching. Offer Open API for third party control.



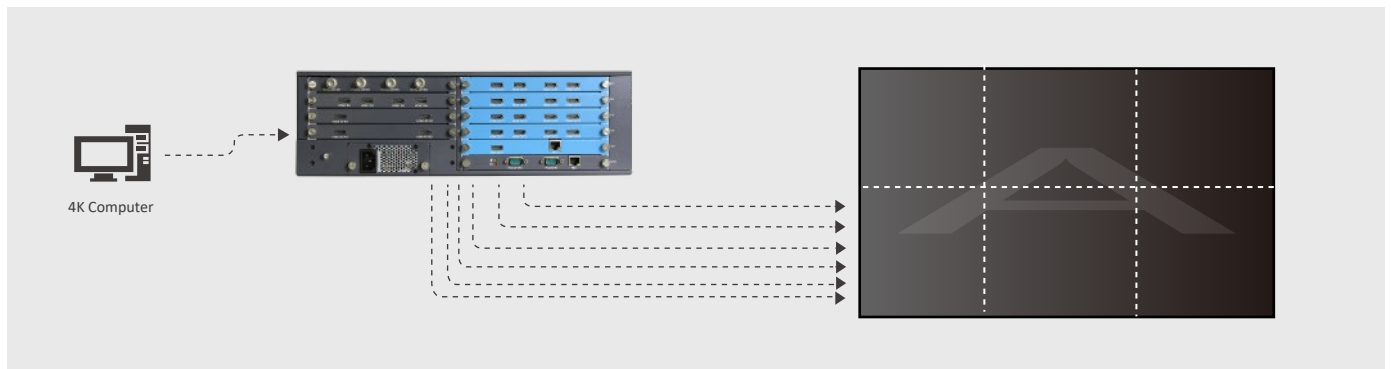
0-360 degree rotation splicing

Support any degree (0-360) rotation splicing between different sizes, different screen LED/LCD/Projectors.

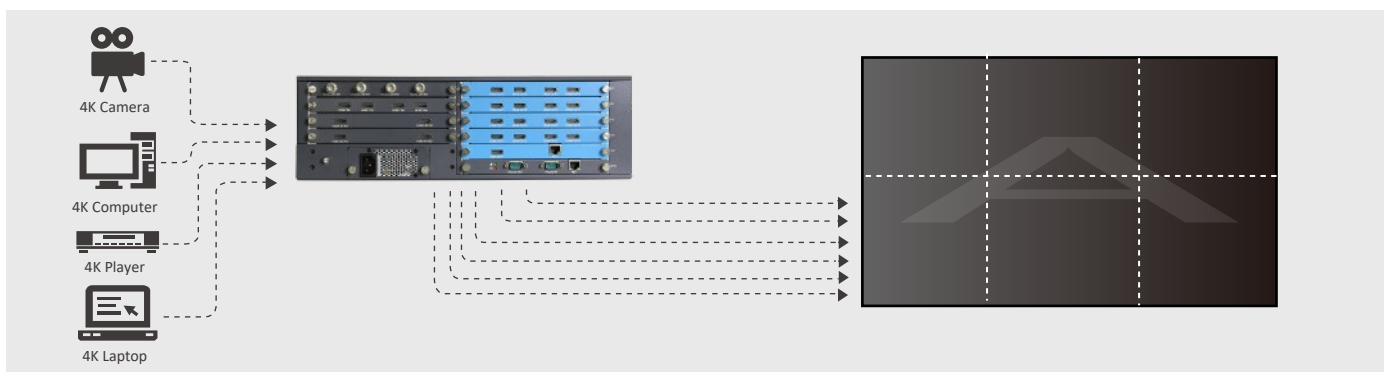


SOLUTIONS

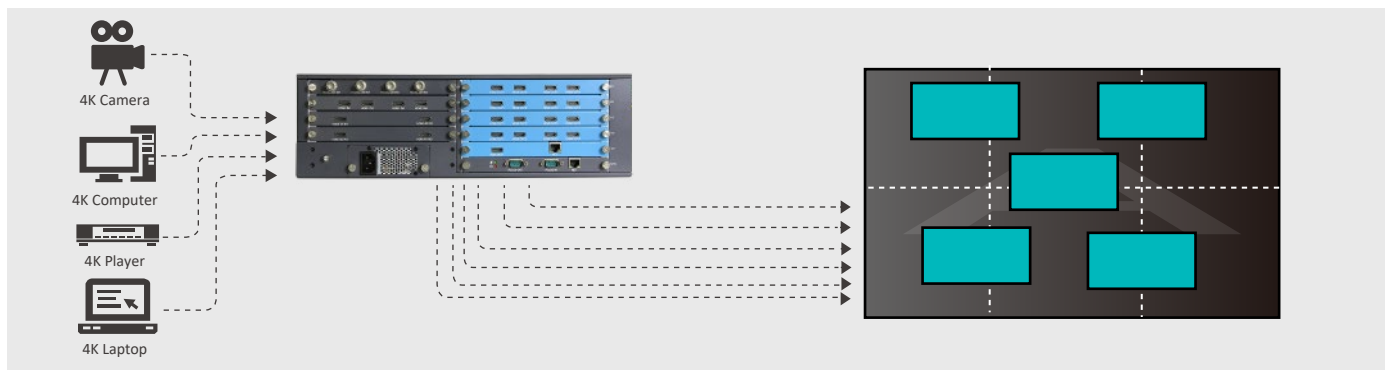
Solution 1: One input to multiple outputs in scaling mode



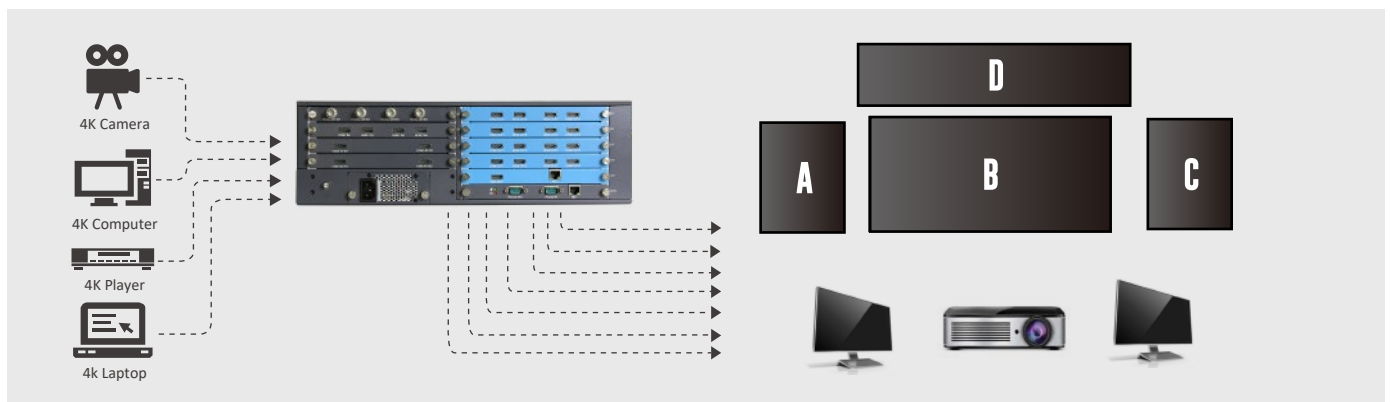
Solution 2: Multiple inputs and outputs in pixel to pixel splicing mode






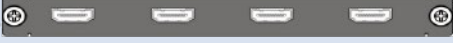
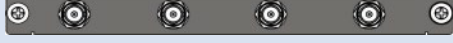

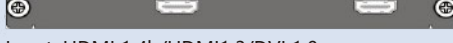

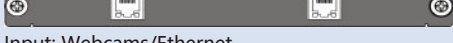
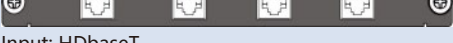



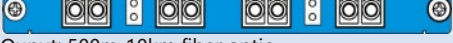


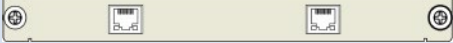
Solution 3: Multiviewer and video wall controller all-in-one function



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



SPECIFICATIONS

Input module	 <p>4 DVI-M Input: HDMI/DVI/VGA/YPbPr/CVBS Resolution: 2K Power consumption: 18W</p>	 <p>4 DVI-D Input: HDMI 1.3/DVI 1.0 Resolution: 2K Power consumption: 12W</p>					
	 <p>4 VGA Input: VGA Resolution: 2K Power consumption: 12W</p>	 <p>4 HDMI Input: HDMI 1.3/DVI 1.0 Resolution: 2K Power consumption: 12W</p>					
	 <p>4 SDI Input: SDI Resolution: 3G/HD/SD Power consumption: 12W</p>	 <p>8 CVBS Input: CVBS Resolution: PAL, NTSC, SECAM Power consumption: 12W</p>					
	 <p>2 HDMI 4K Input: HDMI 1.4b/HDMI1.3/DVI 1.0 Resolution: 2K\4K2K@30Hz Power consumption: 12W</p>	 <p>2 4K@60hz HDMI / DP Input: Displayport 1.2/HDMI 2.0 Resolution: 2K\4K2K@30Hz\4K2K@60Hz Power consumption: 15W</p>					
	 <p>2 IP Input: Webcams/Ethernet Resolution: 2K Power consumption: 16W</p>	 <p>4 HDbaseT Input: HDbaseT Resolution: 2K Power consumption: 15W</p>					
Output module	 <p>Resolution: max width 3840 and max height 1080</p>	 <p>4 HDMI Output: HDMI 1.3/DVI 1.0 Resolution: max width 3840, height 1080 Power consumption: 20W</p>					
	 <p>2 HDMI 4K Output: HDMI 1.4b/HDMI1.3/DVI 1.0 Resolution: Within 3840*2160@30Hz Power consumption: 20W</p>	 <p>4 Fiber Optic Output: 500m-10km fiber optic Resolution: 2K Power consumption: 18W</p>					
System control card	 <p>System control card Control port: RS232 in/out, RJ45 100M Default IP: 192.168.1.200 Power consumption: 10W</p>	 <p>Genlock System control card Input: BNC with Genlock Control port: RS232 in/out, RJ45 100M Power consumption: 10W</p>					
	 <p>Echo graphic card Output: Ethernet, visual software editing Resolution: 2K Power consumption: 20W</p>						
Device	<p>Input voltage: AC input 100V~240V, 50/60Hz Power consumption: depends on module qty Temperature: 0-70°C Humidness: 15-85% Weight: depends on module qty</p>						
	<p>Dimension</p> <table border="1"> <tr> <td>1.5U supports max 5 modules: max 3 input module 2 output modules Size:485*325*70mm Weight: 6.5KG Power consumption: 90W</td> <td>3U supports max 11 modules: max 9 input module 5 output modules Size:485*325*135mm Weight: 9KG Power consumption: 250W</td> </tr> <tr> <td>8U supports max 20 modules: max 18 input module 10 output modules Size:485*310*355mm Weight: 18KG Power consumption: 450W</td> <td>12U supports max 40 modules: max 36 input module 20 output modules Size:485*310*535mm Weight: 20KG Power consumption: 800W</td> </tr> <tr> <td>18U supports max 60 modules: max 54 input module 30 output modules Size:485*310*800mm Weight: 25KG Power consumption: 1000W</td> <td>24U supports max 80 modules: max 72 input module 40 output modules Size:485*310*1070mm Weight: 40KG Power consumption: 2000W</td> </tr> </table> <p>P.S. for device larger than 3U (including 3U), some of the card slots are optional for both input and output module.</p>	1.5U supports max 5 modules: max 3 input module 2 output modules Size:485*325*70mm Weight: 6.5KG 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*355mm Weight: 18KG Power consumption: 450W	12U supports max 40 modules: max 36 input module 20 output modules Size:485*310*535mm Weight: 20KG Power consumption: 800W	18U supports max 60 modules: max 54 input module 30 output modules Size:485*310*800mm Weight: 25KG Power consumption: 1000W	24U supports max 80 modules: max 72 input module 40 output modules Size:485*310*1070mm Weight: 40KG Power consumption: 2000W
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Web : www.sprolink.com
 E-mail : sales@sprolink.com
 TEL : +86 188 5925 7625
 WeChat : Felix_SPROLINK