

SPROLINK[®]

CREATIVE VIDEO REVOLUTION
SOLUTION & SERVICE PROVIDER



2022 CATALOGUE



About Us

As a creative video technology company, SPROLINK is dedicated to providing not only professional solutions but also dedicating to quality and stability and focusing on where customers need most.

With the strong and experienced technical team, SPROLINK has won the great market reputation in the AV industry. Our products are widely used in live events, publicity, conference etc.

SPROLINK is dedicated to Innovation and providing the high quality and most stable equipments to everyone. Bright your life, meet your future!



Innovation

We thrive on continuous innovation, teamwork and people talent; we are making the products more and more accessible and helping customers to achieve their goals; Creative video revolution is always our mission.

Technology

Product optimization and modular design makes product operations easier and faster; we invest heavily in technology and indepth cooperation with our partners to maintain our technological leadership and ensure product quality and stability.

Experience

R&D team has more than 9 years experience, we know what should we do and what we can provide; Support teams know what customers are thinking; Experience makes the connection much easier between SPROLINK and customers.

Support

24*7 after sales support just to make you know we are careful with our customers. Training all over the world just make you can know our product wherever and whenever you need.

Efficiency

We present you the various topics of business consultations, from which you can choose the one that interests you. We provide consulting services online and in our offices.

Solutions

We are dedicated in providing complete professional solutions for customers, we have wide product range can meet different kinds of requirement. Once you need, we have the complete solutions for your projects.





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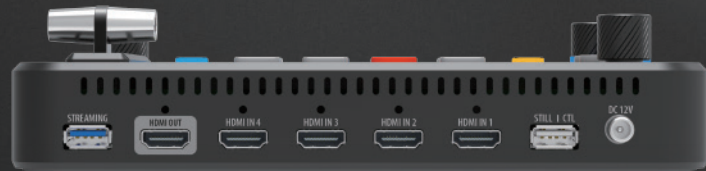


**MULTI-FUNCTIONAL ALL IN ONE
BROADCAST VIDEO MIXER**

NeoLIVE R2 09

NeoLIVE R2

Realize lossless 1080@60Hz HD live streaming via USB 3.0 port
Multiple transition effect like FADE, WIPE, DIP & DVE etc
Fully functional all in one broadcast video mixer



- Built in 5.5" LCD monitor, can preview all the input and output
- With USB3.0 port present a wonderful live streaming
- Support multiple PTZ camera control
- Support media store, upload still pictures
- Support PIP for variety of layout
- Support audio mixing with flexible control
- Support T-BAR Transition switching
- Support Movie-level Chroma Key function
- HDMI / USB output with PGM / PST / PVW selection
- Support up to 4 x HDMI inputs for various of format
- With earphone port, realize audio monitor for any audio input and output

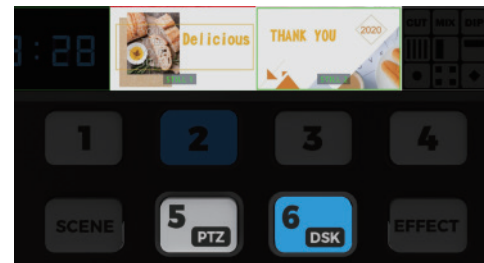
Equipped with 5.5 LCD monitor

With the built-in 5.5" monitor users can preview all the inputs and output content in grid layout. No need to connect extra monitor.



Still Pool Storage

Built with internal storage, R2 support picture content without occupying any input channel, so user can insert different background during the live streaming or transitions.



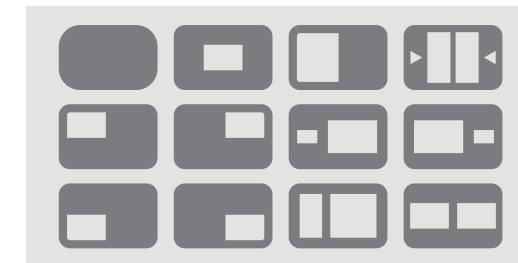
USB3.0 Port for Live streaming

R2 can be recognized as a high quality webcam by PC. Realize live streaming at 60 fps in YUY2 format. Offer the most smooth live streaming experience with high image quality.



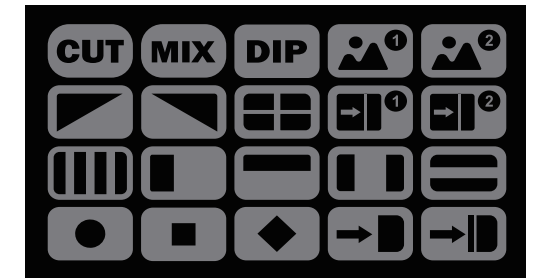
Any PIP layout and Load

User can adjust the PIP in any size and position on board. R2 has also built-in multiple universal layout for live streaming. You can also create any customized layout.



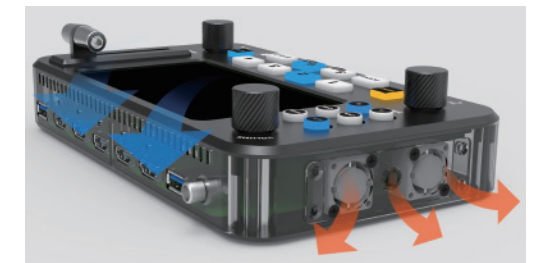
Various transition effects

R2 support 15 transition effects. When pressed EFFECT button, users have access to different transitions. Along with the built-in pictures, R2 can realize more advanced transitions like stinger or graphic slide at ease.



Dual level heat dissipation

With the unique heat dissipation design, R2 can provide a quiet live streaming, and avoid microphone to pick up the environment noise.



Configurable HDMI and USB Output

The content of HDMI and USB3.0 output port can be set as HDMI1/2/3/4/PST/PGM/PVW. Meet the variety of live streaming use.



PTZ Camera Control

R2 can also be used as a PTZ camera controller, up to 4 PTZ cameras can be controlled through the router.



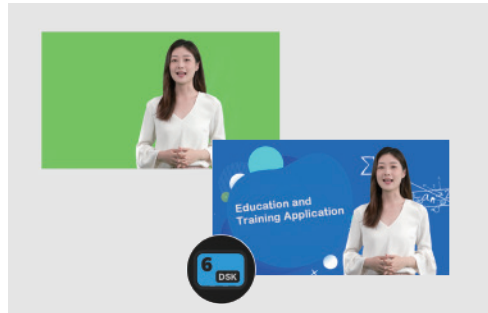
Audio monitoring interface

R2 is equipped with a headphone monitor interface, which can monitor any audio input or output channel in real time. Audio control is so easy.



Movie-level chroma keying algorithm

R2 support 4 channels chroma key. Built-in powerful chroma keying algorithms. Perfect for live streaming with virtual background.



Professional audio mixer

With the built-in professional audio mixer, R2 support AFV and MIX audio modes, you can choose two channels for audio mixing from 4-HDMI embedded audio and 2-external audio. User can easily respond to the complex audio needs for various live broadcasts.



T-BAR switching with ultimate experience.

R2 has built-in various of transition effects, which can be quickly assigned by the EFFECT button, then use the AUTO button to achieve the effect transition. Users can also change transition effects through T-BAR. Broadcast-level transitions are under control.



Connector	Input	HDMI 1.3 USB 2.0	4xHDMI-A 1xUSB TypeA	HDMI Input source connector File loading / Upgrade / Communication
	Output	HDMI1.3 USB 3.0	1xHDMI-A 1xUSB TypeA	PVW/ PGM / PST UVC Output Port
	Audio	IN LINE OUT PHONES	2x3.5mm stereo Jack 1x3.5mm stereo Jack 1x3.5mm stereo Jack	Compitable MIC/Line input AUX Output Audio monitor
	Communication	LAN	1xRJ45	LAN Control PTZ Control
Input resolutions	HDMI	SMPTE VESA	720p@50/60 1080i@50 1080p@24/30/50/60 1024x768@60 1280x768@60 1280x800@60 1280x1024@60 1360x768@60 1366x768@60 1440x900@60 1600x1050@60 1680x1050@60 1920x1080@23.98/24/25/29.97 /30/50/59.94/60	
Output resolutions	HDMI	SMPTE	720p@50/60 1080p@24/30/50/60	
	USB3.0	Video Streaming	720p@50/60 1080p@24/30/50/60	
Performance	Video Sampling	YUV 4:4:4		
	Latency	<3 frame		
	Audio latency	0-500ms (0-30/25 frame)		
Power	Input Voltage	12V/2A		
	Constant power	20W		
Environment	Temperature	0°C~70°C		
	Humidity	10%~85%		
Weight	Net Weight	0.5kg		
	Gross Weight	1.25kg		
Dimension	Device Dimension	220mm x 126mm x 33mm		
	Package Dimension	260mm x 160mm x 120mm		



4K VIDEO PROCESSOR

VF1 PRO	09
VF4 PRO	13

VF1 PRO

4K@60Hz 4:4:4 10 Bit Processing Capability
Maximum 6 PIPs & Fade in Fade out Switching

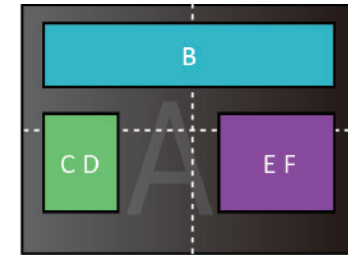


- Inputs modular design covers various necessities
- Dual output slots offer 4/8 DVI output channels
- Support independent control & flexible splicing
- Display up to 6 layers on all outputs
- HDMI2.0 DP1.2 and 4K@60Hz inputs with downward capacity

- Handle 8k x 2k splicing by single unit
- Fade in Fade out switching between any input channel
- Monitoring all outputs by single port
- Flexible image quality adjustment

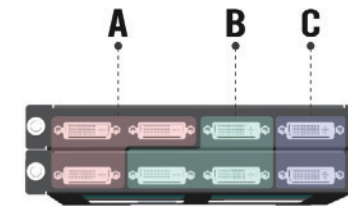
• Advanced Layering Capacity

Support up to 4 layers free roaming with 2 layering PIP, support layer overlay, border adjustment and color adjustment. Catering for multiple display requirement.



• Flexible Splicing

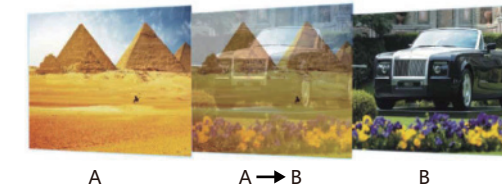
Divide 4 or 8 DVI outputs to any group for flexible splicing. Support multiple output mapping on multiple Screens.



• Fade in Fade out Transition

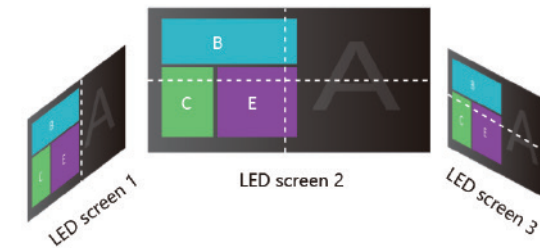
Any 4K or 2K layer fade in fade out switching. Support Seamless switching between any input channel. Ensure no black or flashing during signal switching

Fade-in/Fade-out



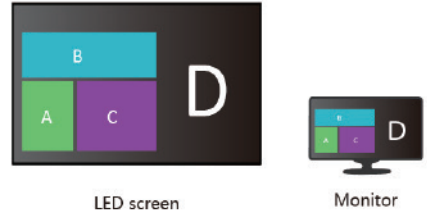
• Layout Scaling

Support layout scaling. Display same layout on multiple screens in any screen size.



• **Monitoring on Single Port**

Assign any output as monitor port. Realize all outputs monitoring as simple as one-click. Ensure broadcast control security .

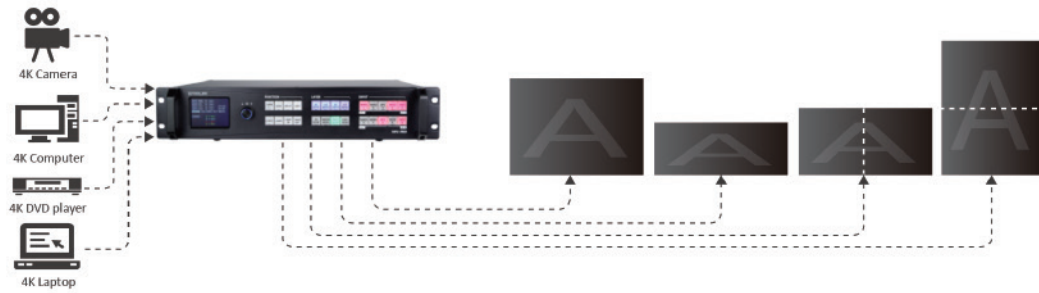


• **Image Quality Adjustment**

Support Brightness | Color Temperature adjustment on layers and outputs. Ensure the display achieves the best performance under current conditions.



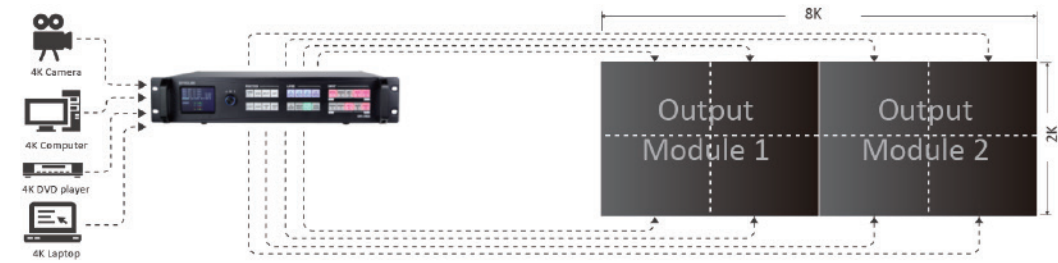
PRODUCT SOLUTIONS



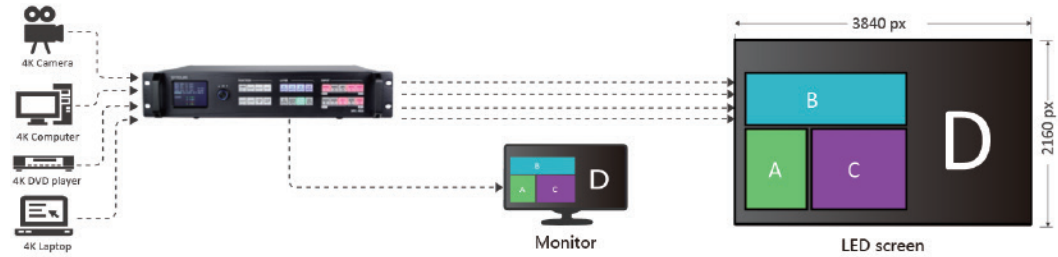
Application 1:
Independent control for 4 set of screens



Application 2:
Realize 6-windows display after splicing



Application 3:
Realize 8K x 2K splicing by single unit



Application 4:
Monitoring all outputs on single port

Input

Connector	Quantity	Description
HDMI 2.0	2	Support max. 3840*2160@60hz and downward compatibility Support customized input resolution
3G-SDI	Optional	Support max. 1080psf and downward compatibility Support customized input resolution
DVI		Support max. 2048x1152 and downward compatibility Support customized input resolution

Output

Connector	Quantity	Description
DVI	4	Realize 4 port split in any layout. Support PIP in any channel after mapping Support individual configure in each port Support color adjustment
DVI	Optional	Realize 4 port split in any layout. Support PIP in any channel after mapping Support individual configure in each port Support color adjustment

VF4 PRO

4K@60Hz Inputs and Outputs
4K@60Hz 4:4:4 10bit Processing
Multiple Operation Mode for 4K Solution



- Inputs modular design covers various necessities
- HDMI2.0 DP1.2 and 4K@60Hz inputs with downward capacity
- Fade in Fade out switching between any input channel
- Flexible image quality adjustment
- Dual-Channel HDMI2.0 4K@60Hz Output
- Display up to 6 layers
- Support 4 operation mode for various 4K solution
- Casecade split with strict synchronization

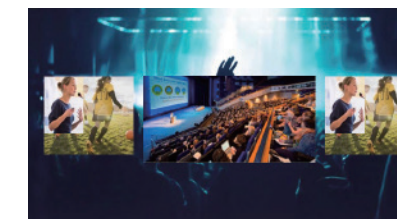
Multiple Operation Mode

VF4PRO built-in multiple working mode for various 4K solution. Make the full use of dual-channel HDMI 2.0 output.

- Preview Mode: Pure fade in fade out transition between different preset on PGM.



- Standard Mode: Support 6 layers display.



- Independent Mode: Individual control for each HDMI port.



- Split Mode: Realize 8Kx2K splicing with dual-channel HDMI port.



Complete 4K@60Hz Solution

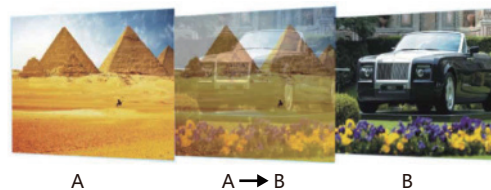
Support 4xHDMI2.0 | 2xDP1.2 4K inputs | 2x3G-SDI | 2xDVI 2K inputs.
With 2 Channel HDMI 2.0 output, VF4PRO offers the complete solution for 4K in full frame rate.



Seamless Switching

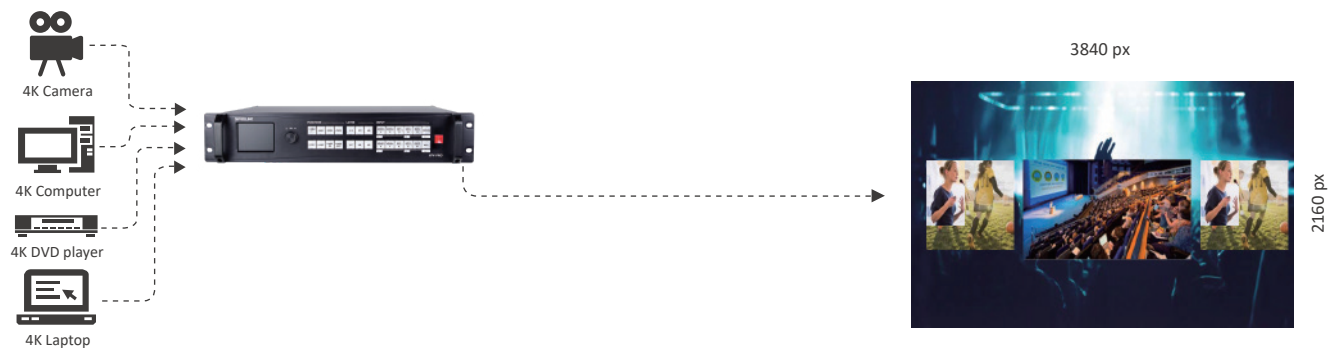
Support seamless switching between any input channel.
No black or flicker during the transition.

Fade-in/Fade-out

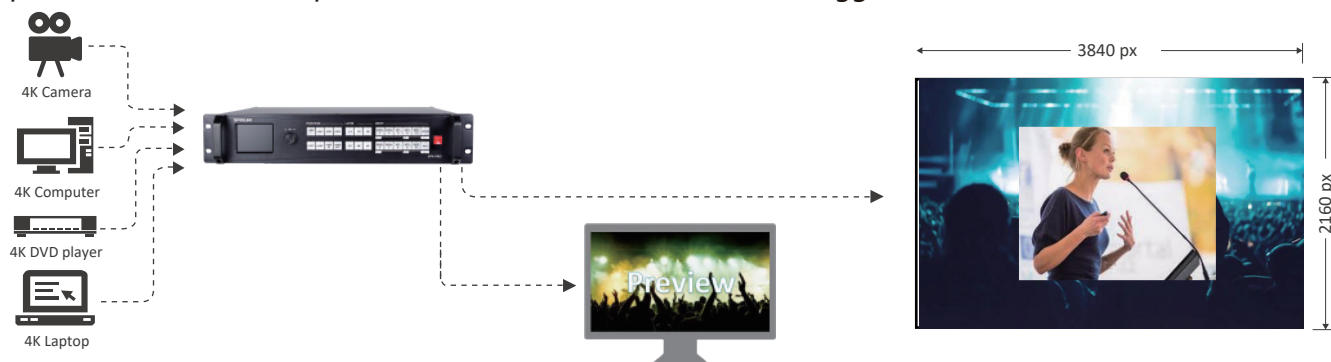


PRODUCT SOLUTIONS

Application 1: Multiple layers free roaming on 4K screen.



Application 2: Preview the preset in monitor. Use TAKE button to trigger fade transition on PGM.



Application 3: Cascade splicing for 8Kx2K pixel by pixel mapping.



Input

Connector	Quantity	Description
DP 1.2	2	Support max. 4096*2160@60hz and downward compatibility Support customized input resolution
HDMI 2.0	2	Support max. 4096*2160@60hz and downward compatibility Support customized input resolution
HDMI 2.0	Optional 1	Support max. 4096*2160@60hz and downward compatibility Support customized input resolution
DP 1.2		Support max. 4096*2160@60hz and downward compatibility Support customized input resolution
3G-SDI	Optional 2	Support max. 1080psf and downward compatibility Support customized input resolution
DVI		Support max. 2048x1152 and downward compatibility Support customized input resolution

Output

Connector	Quantity	Description
HDMI	2	Realize 2 port split in any layout. Support PIP in any channel after mapping Support individual configure in each port Support color adjustment



CHARLES ELACHI MISSION CONTROL CENTER

CURIOSITY ACE

MISSION CONTROL

Jet Propulsion Laboratory
California Institute of Technology

VIDEO WALL CONTROLLER

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VD Module	29

VD2PLUS

MODULAR VIDEO WALL CONTROLLER
3D/4K PIXEL-TO-PIXEL LARGE SCALE SOLUTION

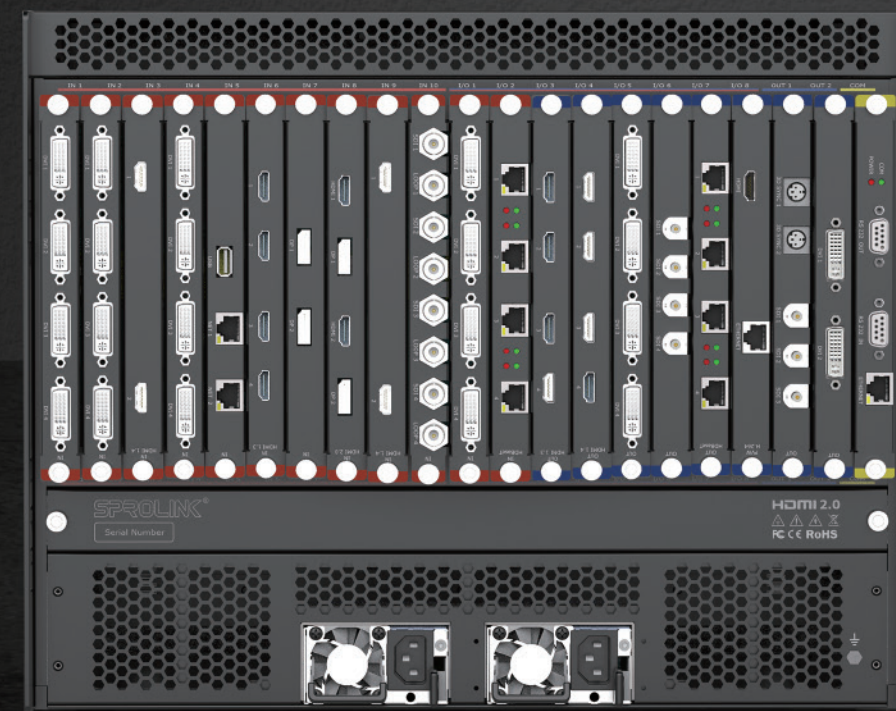


VD4



VD8

MODULAR VIDEO WALL CONTROLLER
3D/4K PIXEL-TO-PIXEL LARGE SCALE SOLUTION



VD Series Back Panel Configure

VD series UHD multi-screen splicing processor adopts pure hardware FPGA architecture. Support 4K/8K UHD signal processing and real-time lossless processing. With full synchronization processing architecture, SPROLINK ensures no frame loss during signal processing and keep all outputs in strict synchronization.

System stability is always our mission. VD Series are designed to overcome the shortcomings of similar products based on industrial computer. Average failure time MTBF>30,000 hours, support 365×24 hours of continuous operation, can adapt to the increasingly strict requirements of system performance in control room, dispatch center, monitoring center and other application.



I/O	VD2 Plus	VD4	VD8
Size	3U	4U	8U
Input Slots	2	4	10
I/O Slots	/	5	8
Output Slots	2	/	2

Input Module

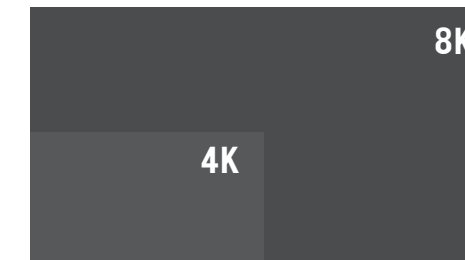
Flexible Configuration with Any Input Module Combination.

With a wide range of options available including DVI-M, HDMI, Display port, VGA, DVI, Dual Link DVI, SDI, CVBS, HDBaseT, YPbPr/YCbCr, IP, Fiber, suitable for more application requirements.

- **DVI-M Input Module compatible with HDMI/DVI/VGA/YPbPr/Cvbs (With adapter)**
- **4K@60fps Module support 1 channel 3840x2160@60fps(downward compatible) in both HDMI 2.0 and DP 1.2**
- **Support 3840x2160@30fps in 2 channels with HDMI 1.4, Dual Link DVI, DP1.1 or HDBaseT**

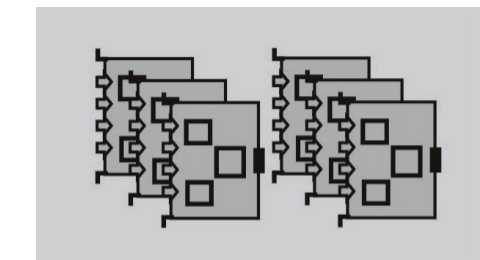
8Kx4K UHD Resolution

Support 4K input in full frame rate by single port. Support 8Kx4K resolution with multiple inputs in synchronization.



Expandable I/O Slot

To meet varied Projects, both input & output Module are compatible with flexible I/O Slot, which offering more possibilities.



EDID Management

Support EDID management, customize format of laptop, realize pixel-pixel effects. Each compatible input can be individually configured for EDID.



OSD

Configure On screen display of text from the software with different position and style. Ideal for lyrics or speeches.



Output Module

- Support customized output resolution within 2048x1200@60Hz.
- Support 1024x768-1280x800@120Hz for 3D project
- Support 1920x1080@120Hz and UHD resolution
- Support creative mapping with any degree rotation

System Control

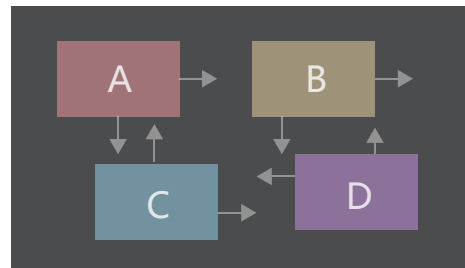
- Support LAN or RS232 remote control
- Support external RS232 output for matrix or projector control
- Support web browser control on all universal platform,extending the use of VD series

Advanced Input & Output Preview

- Support H.264 streaming to provide live video for up to 64 channels preview.
- Support Inputs multi-view by a single HDMI port.
- Support Outputs preview by a single DVI port.

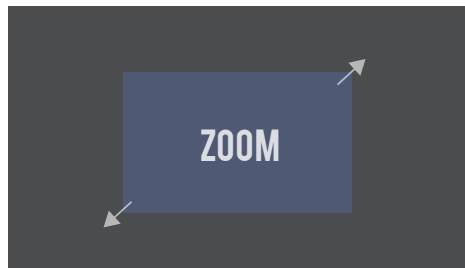
Powerful Video Layer Capacity

Arrange outputs on a virtual canvas to create large scale display in strict synchronization. Support up to 8 layers in single output without any limitation in position and size.



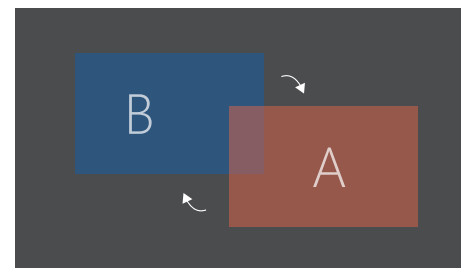
Position/Scale/Crop/Zoom

Each layer can be positioned and scaled pixel-by-pixel within the mapping resolution. Select X and Y offsets along with width and height to select any part image for output. Help to remove the unexpected image for better display.



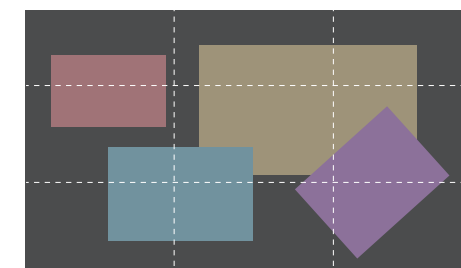
Seamless Switching

Outputs may be arranged in one or more video space across multiple display. Support seamless switching between different presets.



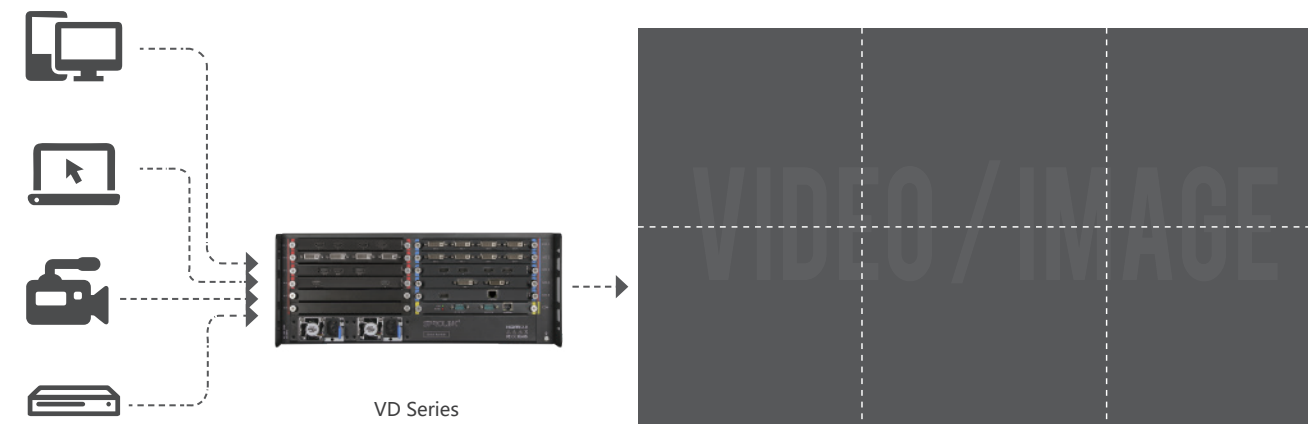
Mixed Display Control

Support customized output resolution on different board. Support independent control for different display. Catering for a diverse range of displays of any type.

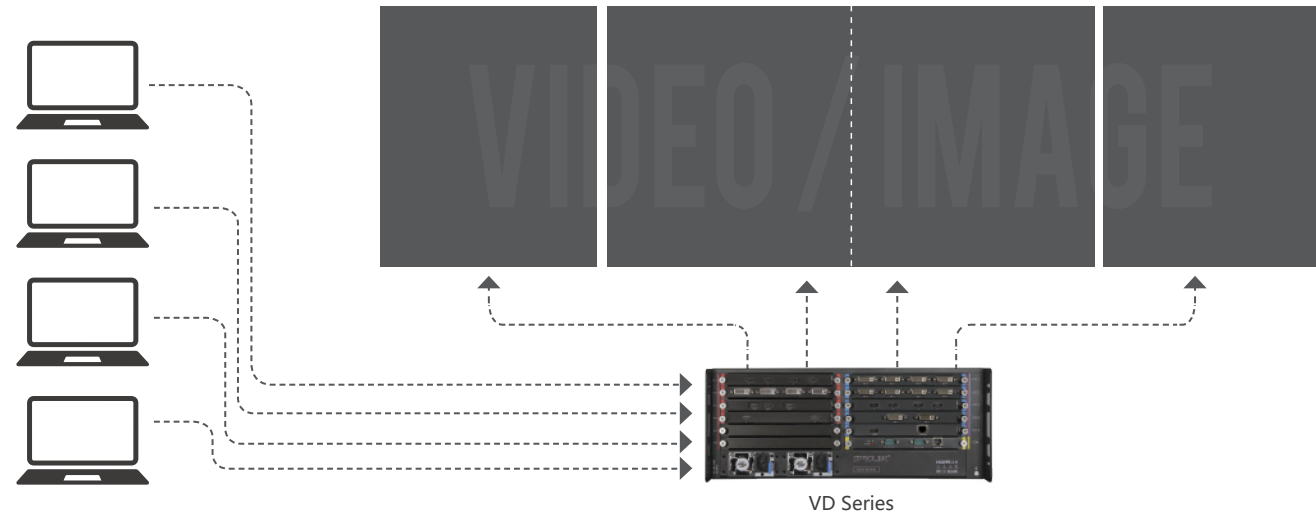


PRODUCT SOLUTIONS

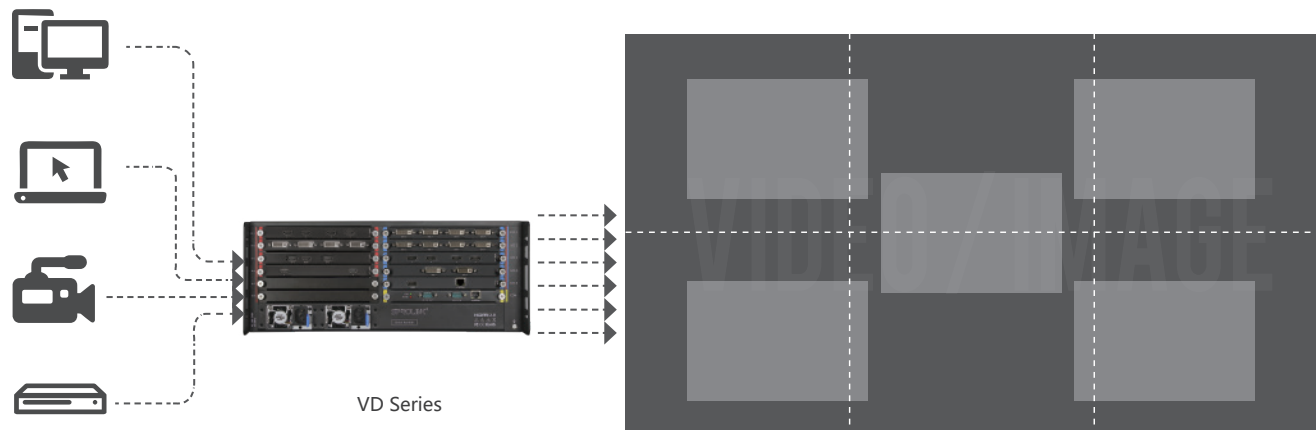
PROJECT 1: One input to multiple outputs in scaling mode



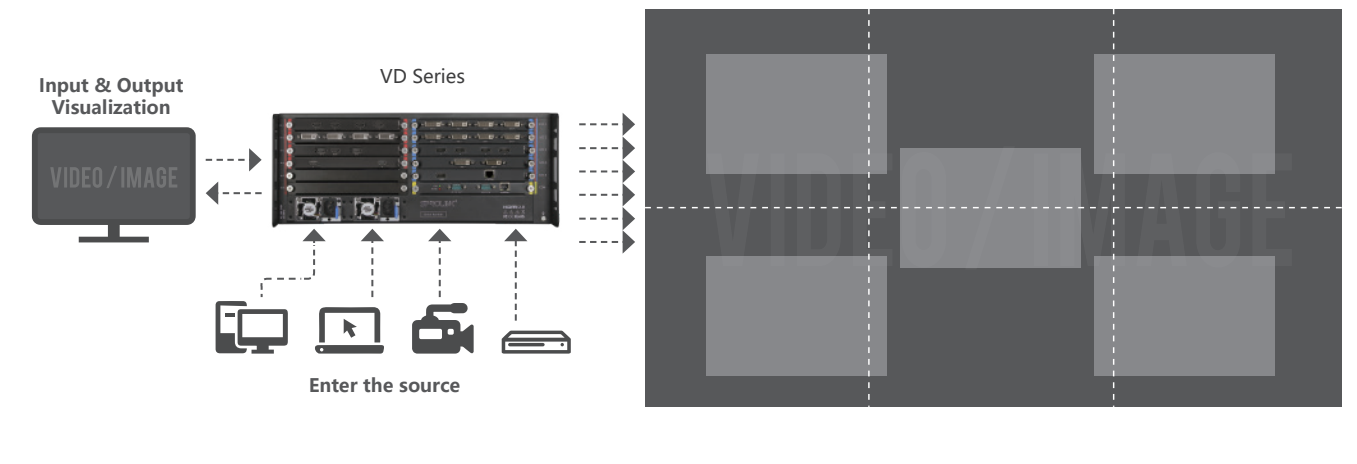
PROJECT 2: 4K Pixel-to-Pixel Splicing



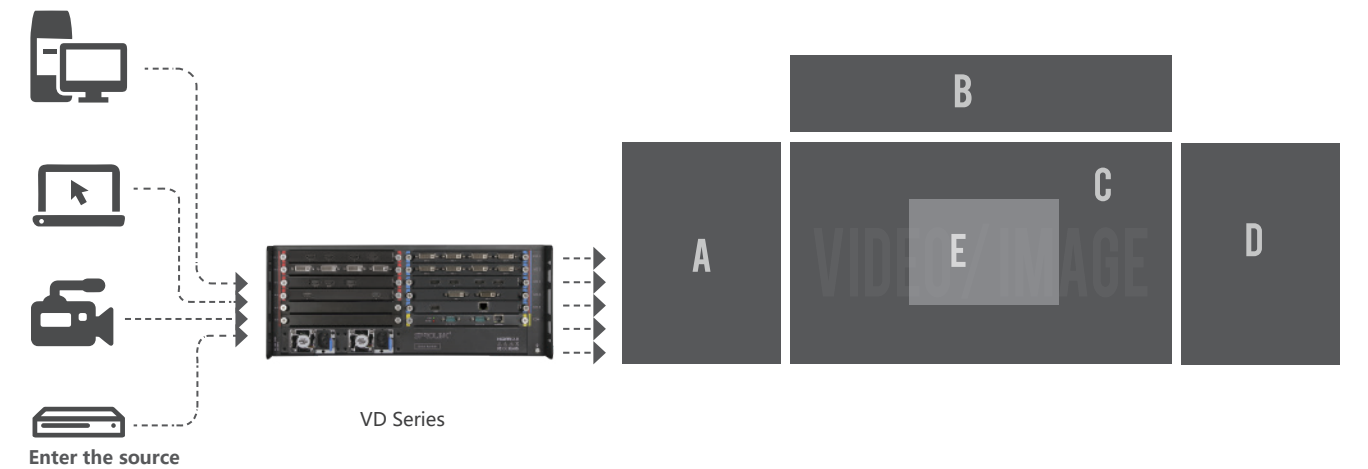
PROJECT 3: Multiple inputs and outputs in pixel to pixel splicing mode



PROJECT 4: Visualization Software



PROJECT 5: Customize Output Resolution by Module



VD INPUT MODLE

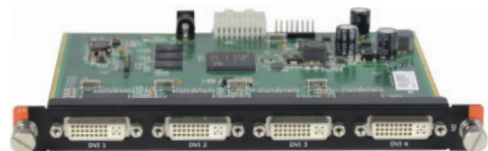
4 Channels DVI-M Input



- Support 2K input ,compatible with HDMI/DVI/VGA/YPbPr/Cvbs (With adapter)
- Support max. 1920x1200@60fps
- Support customized input resolution in EDID management
- Support Input Crop and OSD
- Support auto adjust for analog signal



4 Channels DVI Input



- Support max. 1920x1200@60fps
- Support customized input resolution in EDID management
- Support Input Crop and OSD
- Support auto adjust for analog signal



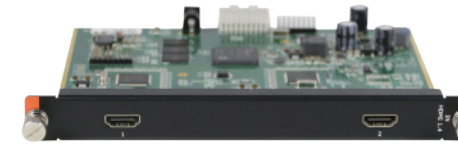
4 Channels HDMI Input



- Support HDMI 1.3 / DVI 1.0 input, HDCP compatible
- VESA Standard. Support max.1920x1200@60fps
- Support customized input resolution in EDID management
- Support Input Crop and OSD
- SMPTE Standard. Support 480i | 576i | 720P | 1080i | 1080P



2 Channels HDMI 1.4 Input



- Support HDMI 1.4b / HDMI 1.3 / DVI 1.0, HDCP compatible
- Support 3840x2160@30fps in max
- Support Input Hot Backup



Duallink DVI / DisplayPort Input



- Support Duallink DVI(24+1) and DP 1.1a
- Support max. 3840x2160@30fps or 3840x1200@60fps
- Support Input Crop and OSD



DisplayPort 1.2 / HDMI 2.0 Input



- Support DisplayPort 1.2 / HDMI 2.0, HDCP 2.2 compatible
- Support 3840x2160@60fps in max



4 Channels SDI Input



- SD-SDI | HD-SDI | 3G-SDI Standard.
- Support deinterlacing
- Support Long-line automatic equalization(100m)
- Support Input Crop and OSD



8 Channels CVBS Input



- SMPTE Standard. Support 480i | 576i
- Support Input Crop and OSD

