

SPROLINK®

CREATIVE VIDEO REVOLUTION



VF1 PRO

4K@60HZ 4:4:4 10 BIT PROCESSING CAPABILITY

MAXIMUM 6 PIPS & FADE IN FADE OUT SWITCHING

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1 FEATURES

- 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

2 INTRODUCTION

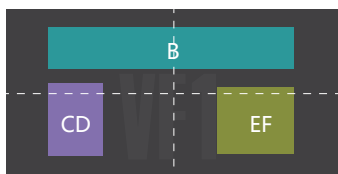
VF1 PRO is a fully modular 4K signal seamless switcher and splicing processor. It inherits the superior performance of VF1, can support 4/8 DVI output channels independent control or splicing. With the advanced SPROLINK technology, VF1 PRO can support 6 layers in maximum, which can cope with various display application requirements. Supporting up to 6 UHD inputs and 4 traditional 2K signal inputs. Realizing perfect fade in fade out transition between any input channel. It is one of the high-end 4K video processors for broadcast display control.



3 KEY FEATURES

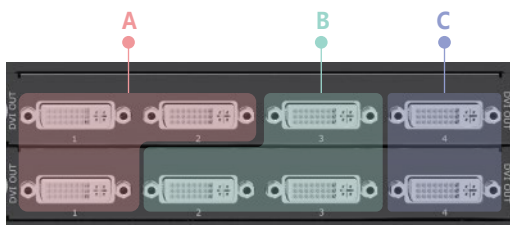
Advanced Layering Capacity

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



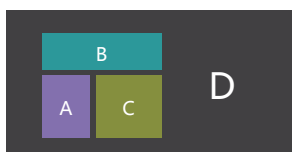
Flexible Splicing

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



Monitoring on Single Port

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



LED screen



Monitor

- 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

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.



Layout Scaling

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

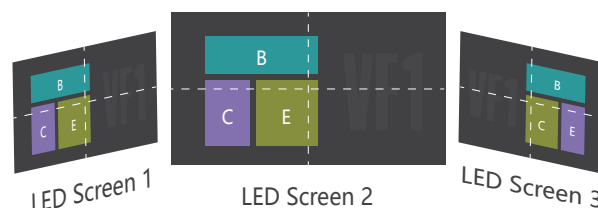


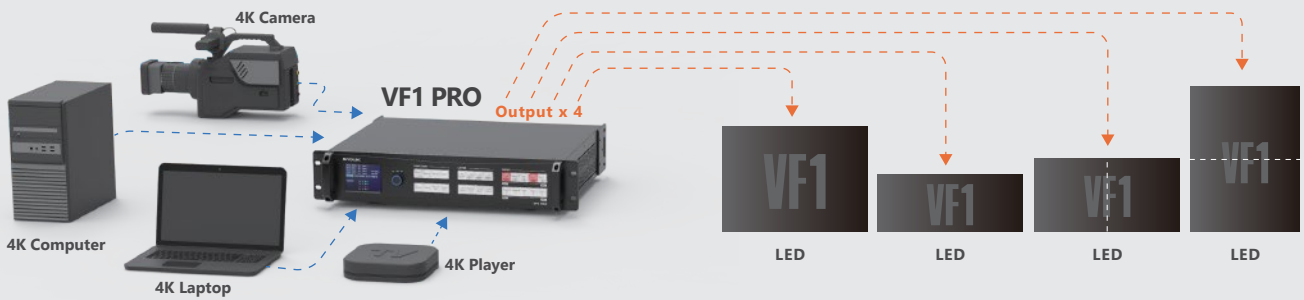
Image Quality Adjustment

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

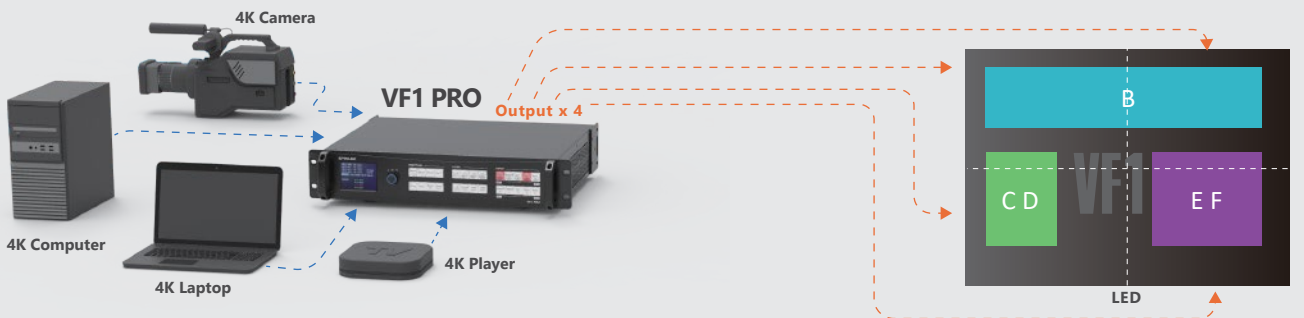


4 SOLUTIONS

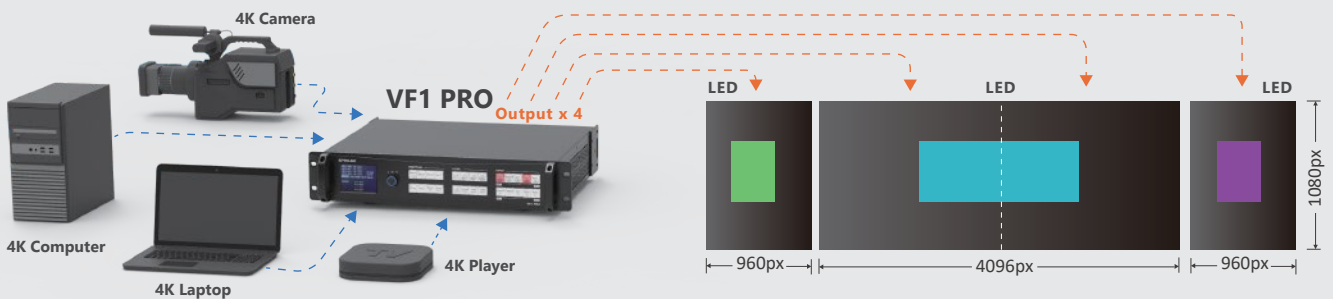
Project 1: Independent control for 4 set of screens.



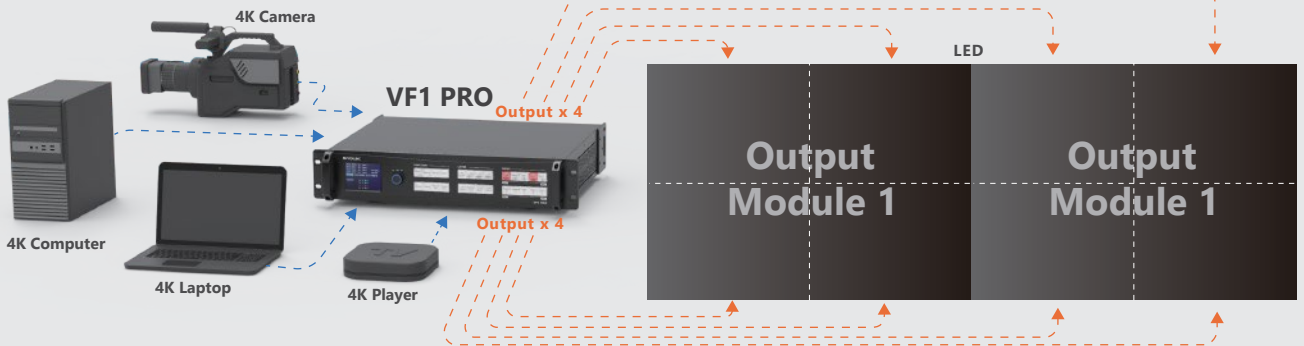
Project 2: Realize 6-windows display after splicing.



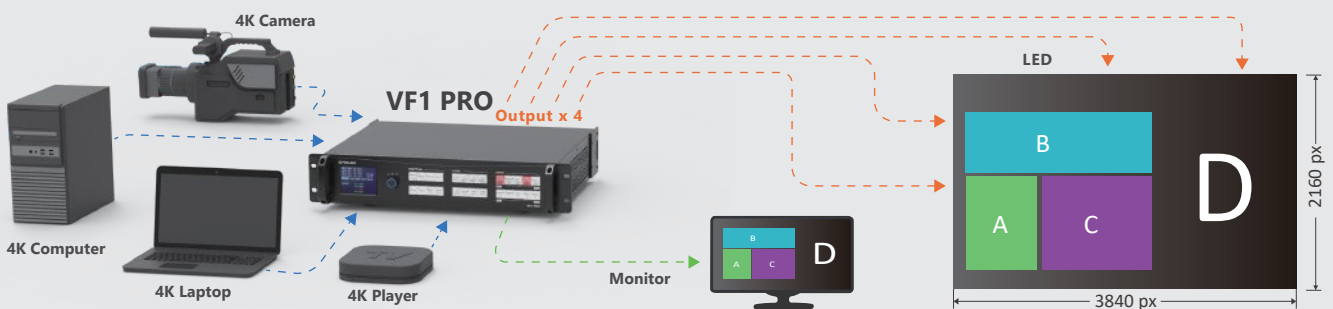
Project 3: Main screen splicing and side screen flexible control.



Project 4: Realize 8K x 2K splicing by single unit.



Project 5: Monitoring all outputs on single port



SPECIFICATION

Connections	Input	4K	Standard	4K-1	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2
				4K-2	2x HDMI 2.0 (HDCP2.2)	1x DisplayPort 1.2
		2K	Optional	2K-1	1x 3G-SDI	1x DVI(Compatible with VGA)
				2K-2	1x 3G-SDI	1x DVI(Compatible with VGA)
	Output	Standard			4x DVI	
		Optional			4x DVI	
	Control	LAN		1x RJ45		
		USB		1x USB Type A		
RS232		IN	1x RJ45			
		LOOP	1x RJ45			
Input Resolution	4K	HDMI 2.0	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160			
		DP1.2	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160			
	2K	3G-SDI	480i 576i 720p 1080i 1080p 1080psf			
		DVI	VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152			
Output Resolution		SMPTE	720p 1080p			
		VESA	1024x768 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 1024x1280 1152x1152 1280x1280 1536x1536			
Support Protocol		HDMI	1.3 1.4 2.0			
		DisplayPort	1.1 1.1a 1.2			
		DVI	1.0 1.1			
		VGA	VGA-UXGA			
		SDI	SD-SDI HD-SDI 3G-SDI			
Input Voltage Max Power	AC 100~264V (Typical 110/220)					
	50/60Hz					
	20W					
Temperature	-25°C~55°C (Typical 25°C)					
Humidity	20%~90%					
Weight	Device Weight		8.2kg			
	Package Weight		10.2kg			
Dimensions	Device Dimensions		480mm x 350mm x 90mm			
	Package Dimensions		525mm x 490mm x 185mm			

PRODUCT CODE

Product Code	Item	Description
P180-VFP-000-01	VF1 PRO	2U 4K@60HZ Pro Presentation Switcher.Includes Inputs: 2 x DP 1.2 & 4xHDMI 2.0; Outputs:4 x DVI
P180-VFP-001-01	4K Input	2 x HDMI 2.0, 1 x DP 1.2 inputs for VF1 PRO
P180-VFP-002-01	2K Input	1 x DVI, 1 x SDI inputs for VF1 PRO
P180-VFP-001-02	DVI Output	4 x DVI outputs for VF1 PRO