

4K@60 4:4:4 10bit Display
Flexible Split with Ultra-wide Range



MODEL **VF1**

- Input formats up to 4K@60Hz 4:4:4
- Seamless switching between any source
- Independent output routing
- Support EDID Management
- Pixel by Pixel Split
- Flexible split with Ultra-wide range
- Output Backup
- Support Open API
- PIP from any source in any position and size

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PRODUCT FEATURES

4K@60Hz Input

Support UHD 4K@30Hz,4K@60Hz input.
Dual Link DVI / HDMI 1.4 / HDMI 2.0 / DP 1.2 Inputs compatible.



Output Backup

4 x DVI output and 4 x Backup DVI output with independent decoder chip; Sending card cascade for high resolution LED display or system backup.

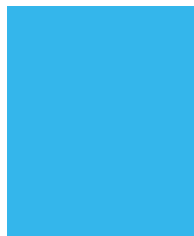


Independent output mode, more than four ordinary video processors

Support independent control on 4 outputs, ideal for multi-sender or multi pixel pitch LED display solutions.



LED screen 1



LED screen 2



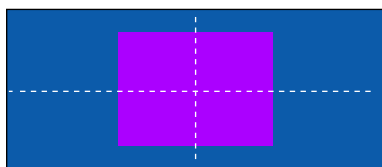
LED screen 3



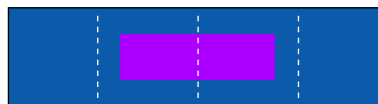
LED screen 4

Ultra-wide range split, any channel PIP

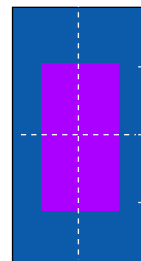
Support 8k1k(8192x1152) or 2K4K(2160x3840) by single unit.



4K2K(3840*2160)



8K1K(8192x1152)



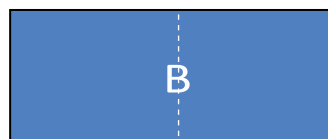
2K4K(2160*3840)

Seamless Switching

Support any source preview for two port split. Use TAKE to enable Seamless switch on PGM display;
Support seamless switch and fast switch on 4 port split.

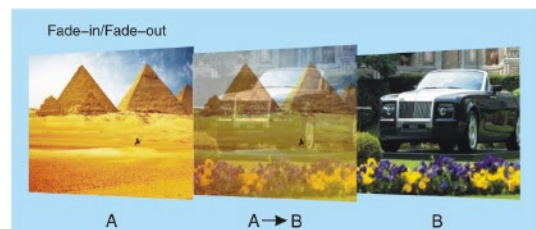


Preview Output



Program Output

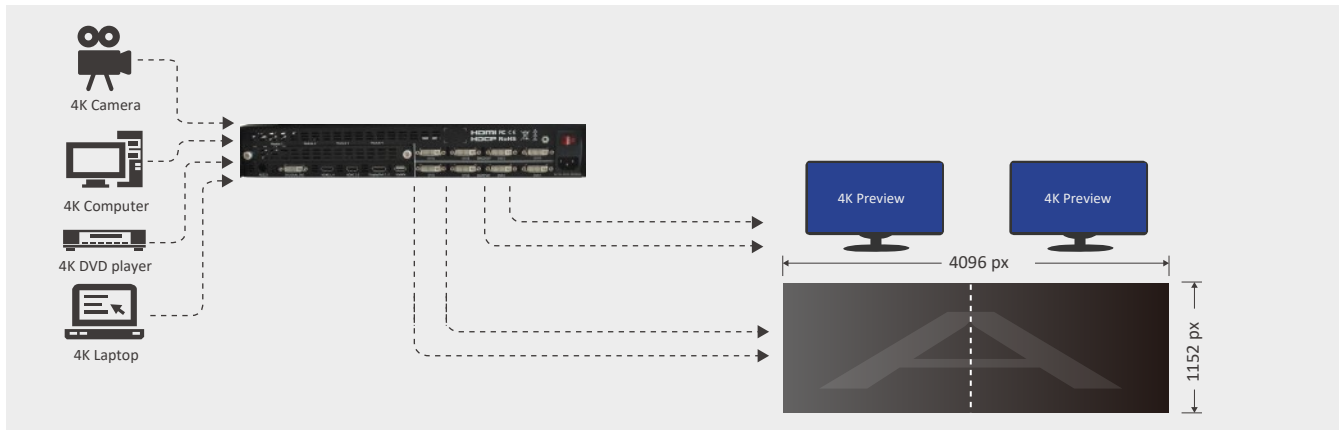
Two output split



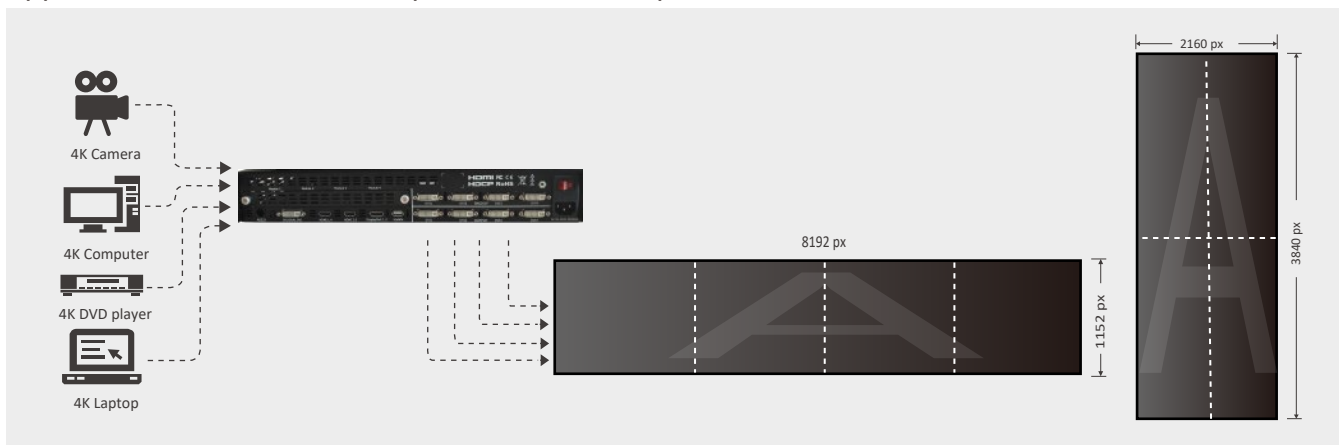
Four output split

PRODUCT APPLICATIONS

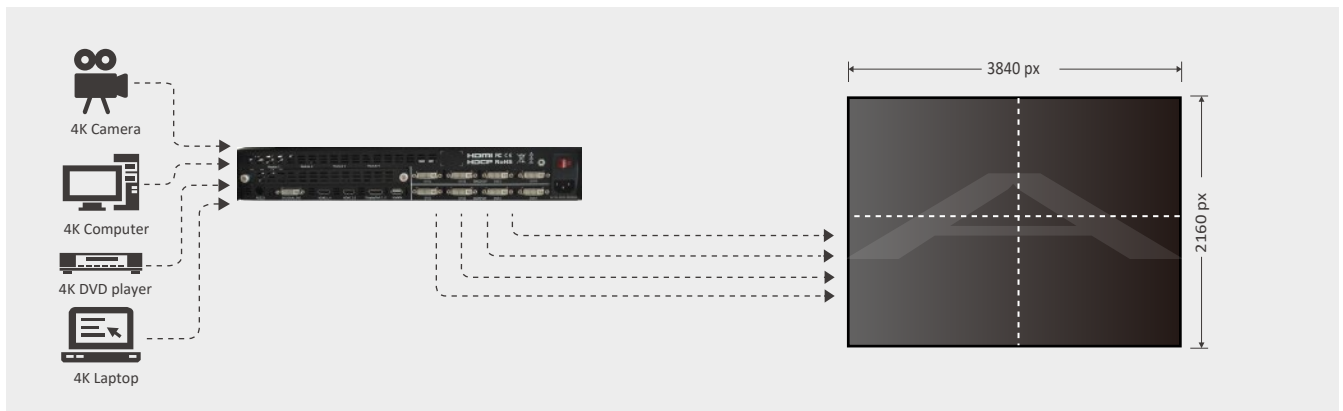
Application 1: 4K1K Preview Seamless Switch



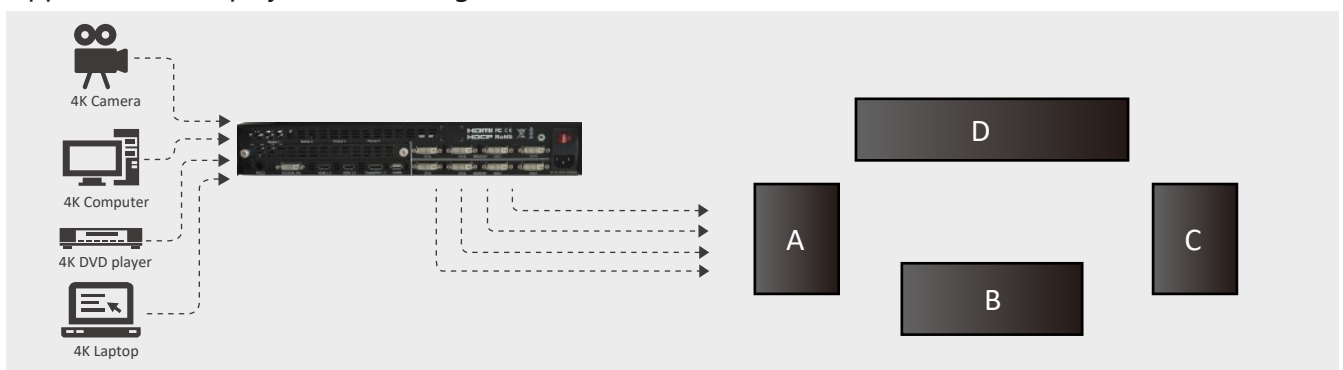
Application 2: 8K1K horizontal split, 2K4K Vertical split



Application 3: 4K2K Pixel to Pixel Split Seamless Switch



Application 4: display different image on 4 LED screens





SPECIFICATION

Input interface	standard	1 × DVI/Dual-DVI (DUAL-DVI 4K@30Hz) 1 × HDMI 1.4 (4K@30Hz) 1 × HDMI 2.0 (4K@60Hz) 1 × DisplayPort 1.2 (4K@60Hz)
	optional	2 × optional module * module support 2 input : DVI/SDI/HDMI/DP/USB/VGA/YPbPr/CVBS * module free combination
Output interface	standard	4 × DVI 4 × DVI backup
Control interface	RS232	Open control protocol
	USB	U disk upgrade
Input resolution	Dual DVI	VESA: 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152 3840x1080 3840x2160
	HDMI	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160
	DP	SMPTE: 480i 576i 720p 1080i 1080p 4K 1K 2160p VESA: 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160
	SDI	480i 576i 720p 1080i 1080p 1080psf
	VGA	VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200
	YPbPr	SMPTE: 480i 576i 480P 576P 720p 1080i 1080p
	CVBS	SMPTE: 480i 576i
Output resolution	SMPTE	720p 1080p
	VESA	1024x768 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x816 1024x1280 1152x1152 1280x1280 1536x1536 2560x1024 2560x1600 3840x540 3840x1080*
	2 Split	3840x1080 1920x2160 7680x540 1536x3072 7680x1080 *
	4 Split	3840x2160 7680x1080 1920x4320 15360x540 1536x6144 3072x3072 15360x1080* 7680x2180* 3840x4320* @Support point-to-point custom resolution@*represent 30Hz
Support protocol	SDI	SD-SDI, HD-SDI, 3G-SDI
	VGA	VGA-UXGA
	HDMI	1.3, 1.4, 2.0
	DP	1.1, 1.1a, 1.2
	DVI	DVI 1.0, DVI 1.1
Input voltage	AC 100~264V (typical value: 110/220)	
Max power	50/60Hz 20W	
TEMP	-25°C~55°C (typical value: 25°C)	
Humidity	20%~90%	
Weight	3.0kg(Equipment Weight) 6.6kg(Transport Weight)	
Size	480mm x 320mm x 67mm (Equipment Size)	
	540mm x 380mm x 140mm (Transport Size)	

PRODUCT CODE

Product Code	Item	Description
P180-VF1-000-01	VF1	1.5U 4K@60HZ Seamless Scaler & Switcher
P180-VF1-000-02	DVI Input	DVI Input for VF1
P180-VF1-000-03	SDI Input	SDI Input/Loop Out for VF1
P180-VF1-000-04	HDMI Input	HDMI Input for VF1
P180-VF1-000-05	DP Input	DP1.1 Input for VF1
P180-VF1-000-06	USB Input	USB Input for VF1
P180-VF1-000-07	VGA Input	VGA Input for VF1
P180-VF1-000-08	YPbPr Input	YPbPr Input for VF1
P180-VF1-000-09	CVBS Input	CVBS Input for VF1

