

HDR10 More colorful and brilliant display
4K@60Hz 4:4:4 10bit Processing
4K@60Hz Inputs and Outputs



MODEL **VF4**

- Support HDR Color Reduction and Enhancement
- Support DP1.2 / HDMI2.0 4K@60Hz Input
- Support HDMI2.0 4K@60Hz Output
- Support Any 4k Preview Input
- Support Any 4K PIP Input Channel
- Support EDID Management, P2P Display
- Support Cascade Split
- Support Embedded Audio Decoder, Video and Audio Synchronization
- Support 420 | 422 | 444 Video Format
- Support Open Control Protocol
- Support PIP

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PRODUCT FEATURES

HDR10 Color Reduction and Enhancement

HDR (High Dynamic Range) provides more dynamic range and image detail than normal images, depending on the LDR (Low-Dynamic Range) image for different exposure times.

The HDR image is synthesized with the LDR image, corresponding to the best detail for each exposure time, which can better reflect the visual effect in the real environment. Under the action of HDR10, VF4 video processor showing more vivid. It can be alternated between cool and warm colors. 4K HDR is an advanced image processing technology than 4K. With HDR movies and VF4 video processor's processing, the video will be more brilliant.



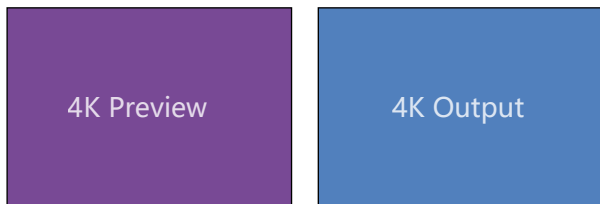
Without HDR



With HDR10 Make the Scene more colorful

4K Preview

VF4 with preview for monitoring, making the live show more safety.



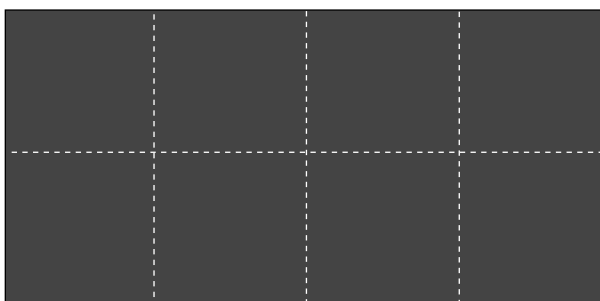
4K PIP

VF4 support any 4K channel PIP or PBP display.



Multi-Cascade

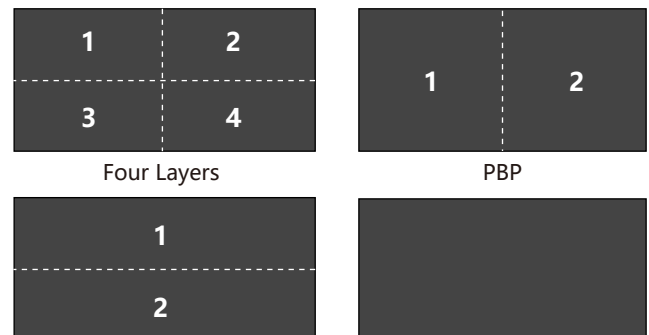
Support 4K60hz output, multi-cascade support 8K, 12K, 16K display. The backup output ensure the live show safety and also save your cost.



16K * 4K Multi-Cascade display

Multi-layer Display

Support multi-layer 4k signal display, different layout switch.



Four Layers

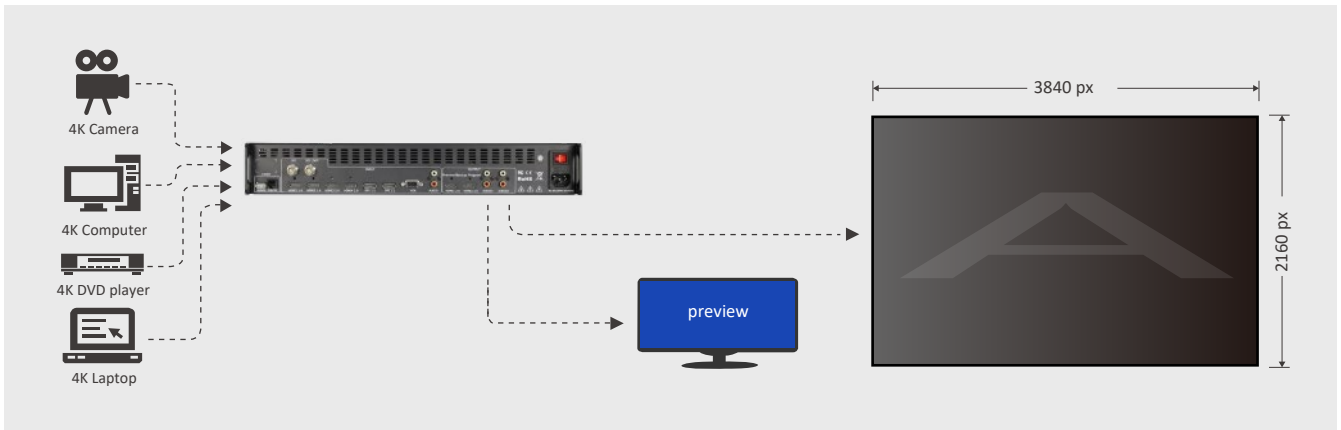
PBP

PIP

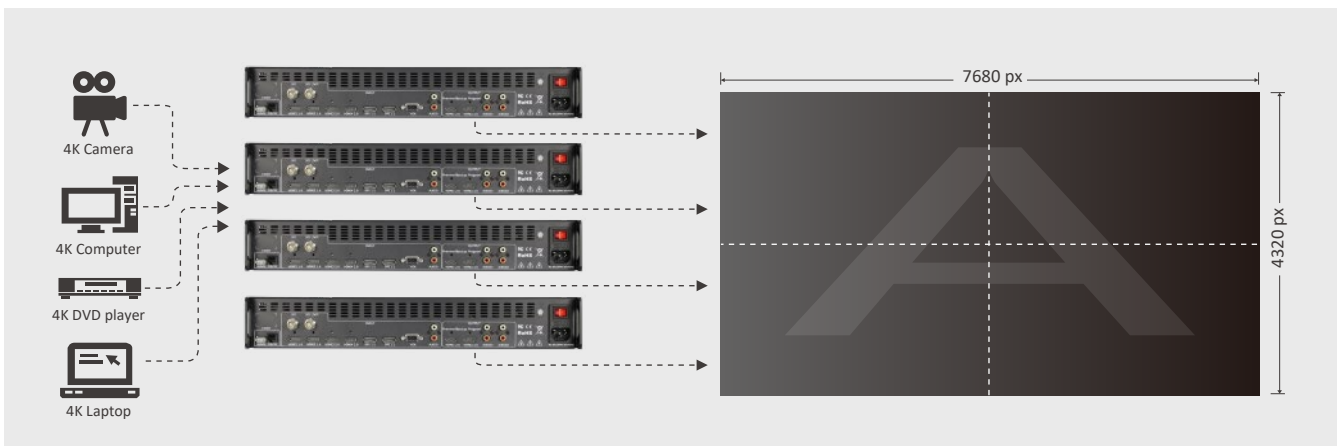
Single Layer

PRODUCT APPLICATIONS

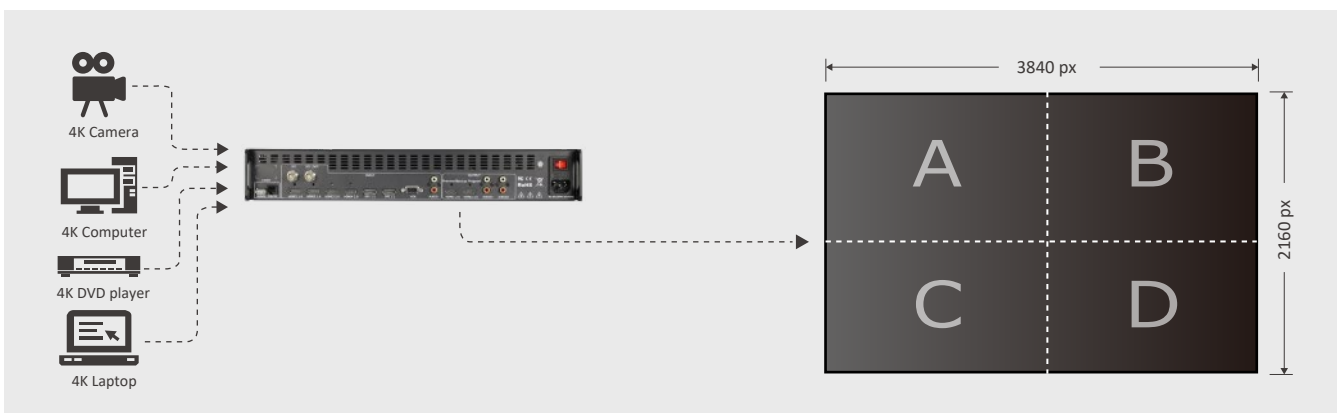
Application 1: 4K*2K, 2K*1K HDR point to point project



Application 2: Multi-cascade and 8K*4K split application



Application 3: 4K@60Hz any channel multi-layer split application





SPECIFICATION

Input Interface	Standard	2 × HDMI 1.4 (4K@30Hz) 2 × HDMI 2.0 (4K@60Hz) 2 × DisplayPort 1.2 (4K@60Hz) 1 × VGA 2 × RCA audio (LR stereo)
	Optional	1 × 3G/HD/SD SDI
Output Interface	Standard	1 × HDMI 2.0 (Main Output) 1 × HDMI 2.0 (preview/LOOP) 4 × RCA audio (LR stereo)
Operation	RS232	Open protocol control
	USB	USB upgrade
Input Resolution	HDMI	SMPTE: 720p 1080p 2160p VESA: 800x600 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160
	DP	SMPTE: 720p 1080p 2160p VESA: 800x600 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 2560x1600 3840x1080 3840x2160 4096x2160
	VGA	800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200
	SDI	480i 576i 720p 1080i 1080p 1080psf
	Frame	23.98/24/25/29.97/30/50/59.94/60Hz
Output Resolution	SMPTE	720p 1080p
	VESA	1024x768 1280x720 1600x1200 1920x1080 1920x1200 2048x1152 3840x1080 3840x2160 4096x2160 Customized point to point display
Support Protocol	HDMI	1.3 1.4 2.0
	DP	1.1 1.1a 1.2
	SDI	SD-SDI, HD-SDI, 3G-SDI
	VGA	VGA-UXGA
Input voltage	AC 100~264V (Typical value 10/220) 50/60Hz	
Max power	20W	
TEMP	-25°C~55°C (Typical value 25°C)	
Humidity	20%~90%	
Weight	3.0kg (Equipment Weight)	
	6.0kg (Transport Weight)	
Size	480mm x 320mm x 67mm (Equipment Size)	
	540mm x 380mm x 140mm (Transport Size)	

PRODUCT CODE

Product Code	Item	Description
P180-VF4-000-01	VF4	HDR 4K@60Hz input and 4K@60Hz Output Seamless Scaler & Switcher
P180-VF4-000-02	SDI Module	SDI Input for VF4

