

X1PRO E



4K Splicing and Scaling

RGBlink[®]

X1PRO E

Essential 4K Video Scaling and Splicing

Take advantage of 4K video sources to scale and splice to multiple 2K outputs. Compact in form at only 1U, switch between multiple sources glitch free with ease. Spliced outputs may be arranged in a variety of ways in addition to conventional 4K split, with panoramic and other configurations. X1pro e also offers multiple operation modes to support applications such as 4K1K and more.



Standard 4K Inputs

X1pro e includes popular DVI and DisplayPort inputs supporting 4K, with the DVI2 also supporting HDMI (and HDCP). Loop connectors are provided allowing connectivity to other devices.

4K Split Outputs

With standard output to quad DVI connectors, X1pro e is ready to connect to common LED systems, facilitating pixel-to-pixel splicing across multiple outputs and displays regardless of physical arrangement.

Multi-Mode Operations

Ideal for a range usage applications, X1pro e is ready with the flexibility of multiple operation modes, enabling display solutions from conventional 2K with presentation modes, through to 8Kx1K splicing mode, and matrix operations too.

Add Additional Inputs

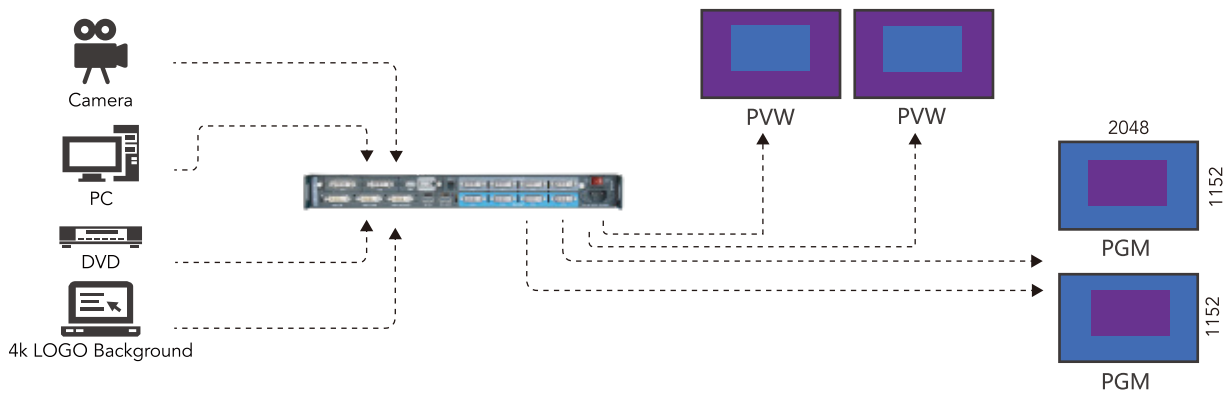
The unique RGBlink modular input system is available on board X1pro e, allowing users to add up to an additional three 2K input sources for added flexibility. Options include USB2.0, 3G-SDI and more.

4K



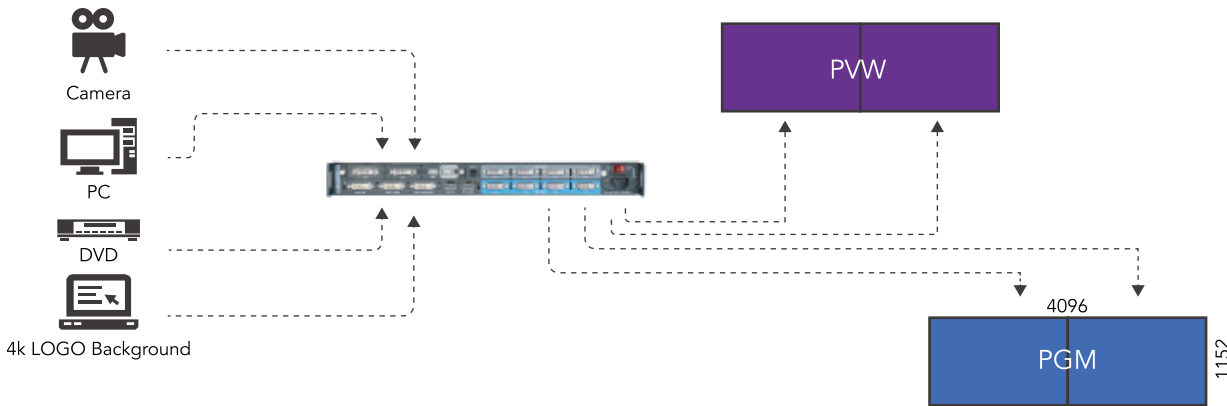
2K Preview/Switcher Mode

In Preview mode, outputs are divided into 2K duplicate pairs, with two ports as preview (PST) and two ports as program (PGM). Switch seamlessly from PST to the PGM outputs.



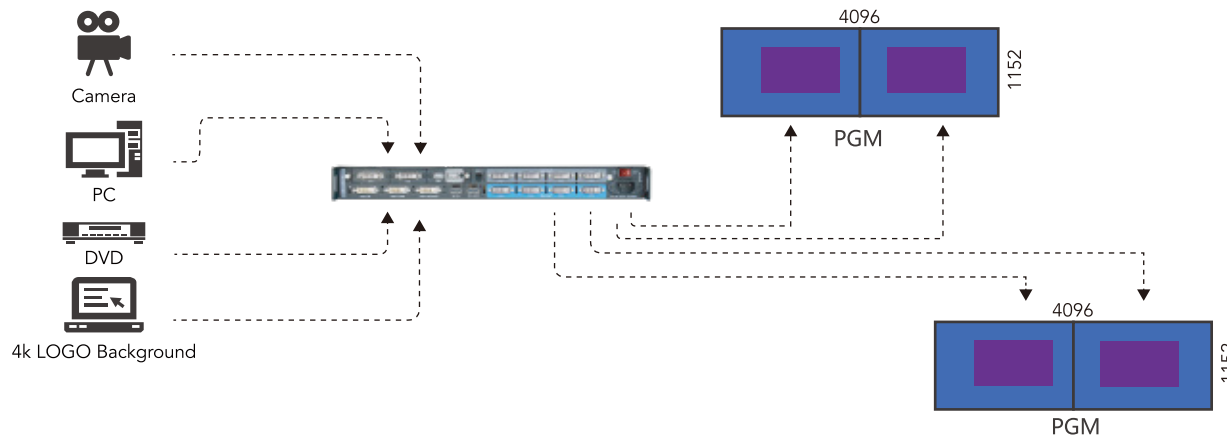
4K1K Preview/Switcher Mode

In this seamless switcher mode, outputs are arranged in pairs, with two ports in split modes providing a 4K by 1K preview (PVW) and the other two DVI ports similar as program (PGM) outputting 4K by 1K to be a single seamless display. Alpha cross fade between PVW and PGM via the TAKE button.



4K1K Split Mode

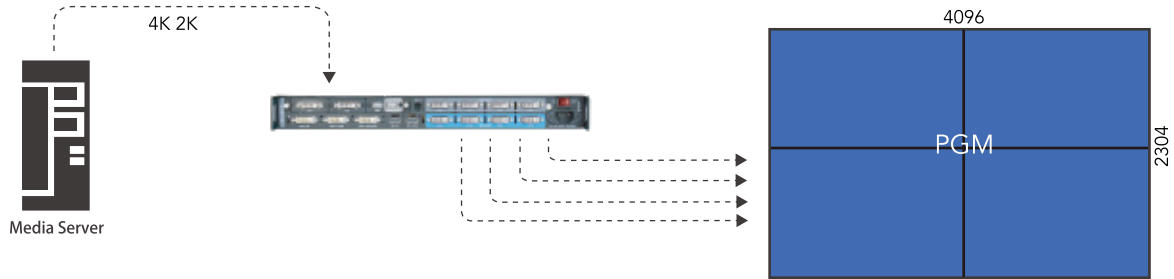
Each pair of outputs forms a duplicated 4K1K display with a background layer across the 4k1K and a PIP able to be added to each 2K 1K area.



* shown with optional modules fitted as example configuration. Refer to Specifications and Guides

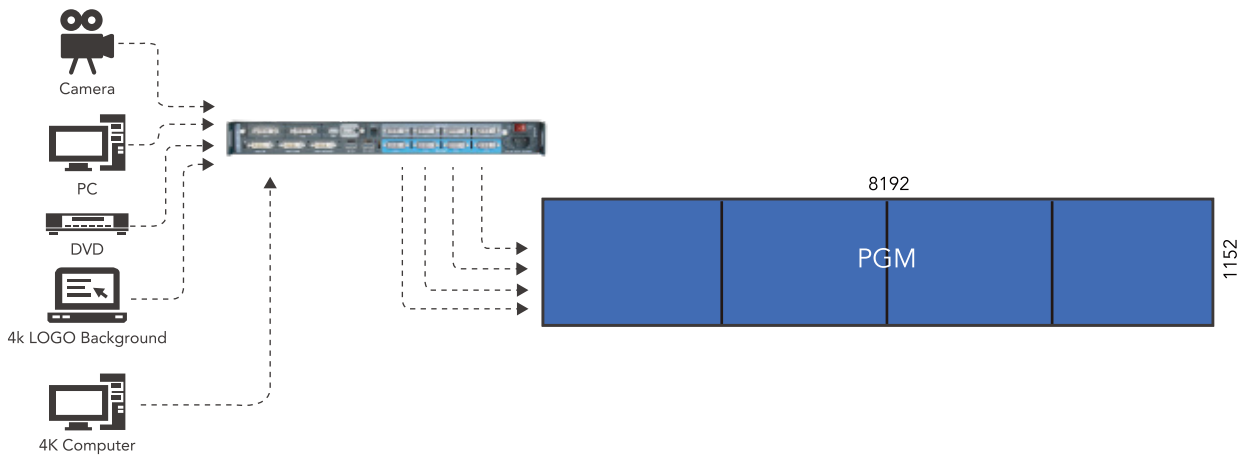
4K Split Mode

Use a 4K/UHD input signal with X1pro e to easily split and distribute across multiple 2K outputs, ideal to produce native 4K video wall solutions.



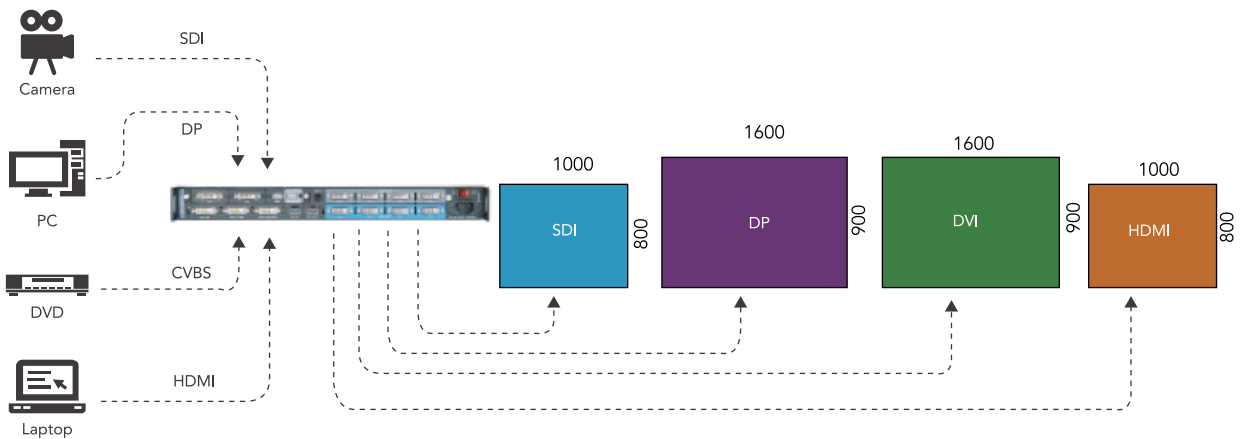
8K1K Split Mode

Take one or more video sources to produce a panoramic style 8K x 1K display seamlessly spliced and synchronised for continuous display. Suitable for stage and studio display applications.



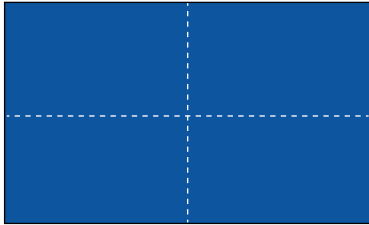
Independent/Matrix Mode

Use X1pro e as a router with scan conversion between input and output allowing delivery of digital video to downstream devices.

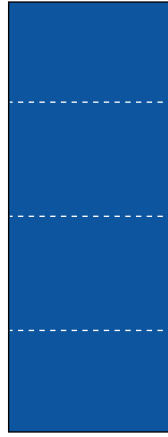


Configurable Splicing

Output splicing may be configured in a variety of ways to deliver a continuous display surface using the four DVI outputs provided, whether in conventional formats or custom formats.



4K UHD | 4Kx2K



2Kx4K

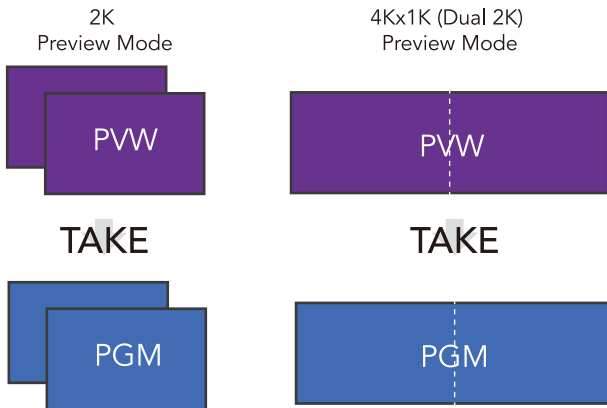


8Kx1K

Seamless Switching

In preview mode, outputs are divided between Preview (PVW) and Program (PGM) functions, with the PVW allowing operators to visually confirm source/preset video before TAKE to output.

In standard splicing modes where all four outputs are utilised for the main Program display, no preview is available, nonetheless switching between sources is seamless.



Redundant Outputs

X1pro e includes a full set of backup/loop outputs, fully synchronised with the main outputs, these outputs may be utilised to supply video to backup displays or LED control systems, increasing the availability options without the need for additional splitters.



Robust & Flexible

Signal failure over, or Hot backup is available. In the event a source signal is lost, the X1pro e can automatically switch to the alternate source specified.

Direct Access

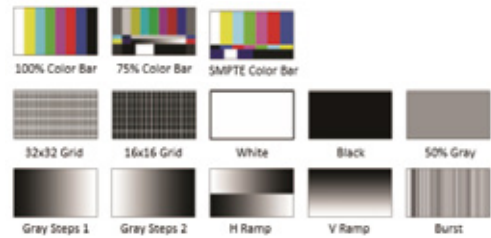
Configure and control X1pro e directly from the front panel. With large illuminated buttons and OLED display, X1pro e operations are intuitive and fast.

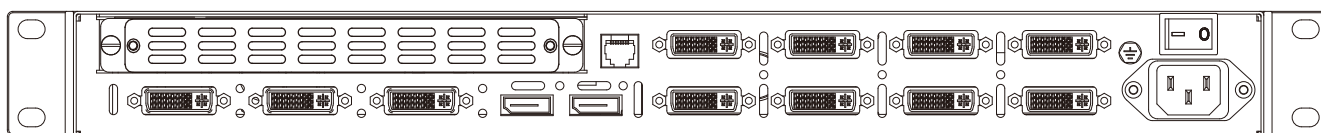
LOGO Capture

Capture a video frame and store on board X1pro e, ideal for logos, default or fail-over messages.

Test Patterns

In aid of configuration, X1pro e includes common test patterns.





Specifications

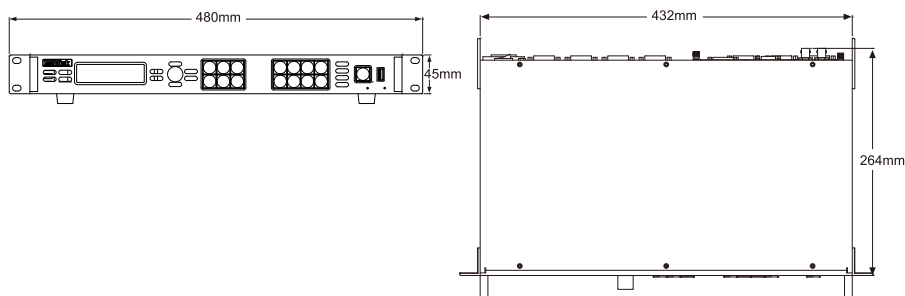
Connections	Input	Standard with			
		DVI 1 In/Loop	2 × DVI-I		
		DVI 2 In	1 × DVI-I (HDMI 1.4 Compatible)		
		DP In/Loop	2 × DisplayPort		
		1 slot up to 3 single inputs, select from below			
	DVI Module	1 × DVI-I	VGA Module	1 × DB15	
	HDMI Module	2 × HDMI (1 In/1 Loop)	CVBS Module	2 × BNC (1 In/1 Backup)	
	3G SDI Module	2 × BNC (1 In/1 Loop)	USB 2.0 Module	2 × USB-A(1 In/1 Backup)	
	DP Module	1 × DisplayPort			
	Output	Standard with DVI 8 × DVI-I (4 Out/4 Backup)			
	Communication	RS232	1 × RJ11		
		USB	1 × USB-A		
	Power	1 × IEC			
Performance	Input Resolutions	DVI HDMI DP			
		SMPTE	480i 576i 720p@50/59.94/60Hz 1080i@50/59.94/60Hz 1080p@50/59.94/60		
		VESA	800×600@60 1024×768@60 1280×768@60 1280×1024@60 1366×768@60 1600×1200@60 1920×1080@60 3840×2160@30		
		CVBS			
		SMPTE	480i 576i		
		SDI			
		SMPTE	480i 576i 720p@25/30/50/60 1080i@50/59.94/60 1080p@23.98/24/25/29.97/30/50/59.94/60		
	VGA				
	VESA	800×600@60 1024×768@60 1280×1024@60 1366×768@60 1440×900@60 1600×1200@60			
	Output Resolutions	Select from below or configure customised			
		DVI			
		SMPTE	720p@50/60Hz 1080p@50/60Hz		
	VESA	800×600@60 1024×768@60/75/85 1280×720@50/60 1280×800@60 1280×1024@60 1360×768@60 1366×768@60 1400×1050@60 1440×900@60 1600×1200@60 1680×1050@60 1920×1080@60 1920×1200@60 2048×1152@60 2560×816@60			
	Supported Standards	SDI	SMPTE 425M (Level A & B) SMPTE 424M SMPTE 292M SMPTE 259M-C DVB-ASI		
		HDMI	1.4		
		DVI	Dual DVI		
		VGA	VGA-UXGA		
		DisplayPort	1.1a		
Power	Input Voltage	AC 100V-240V, 50/60Hz			
	Max Power	65W			
Environment	Temperature	0°C ~ 55°C			
	Humidity	20% - 90%			
Physical	Weight	Net	2.7kg		
		Packaged	5.3kg		
	Dimension	Net	480mm x 303mm x 45mm		
Packaged		540mm x 360mm x 135mm			

Order Codes

Product Code	Description
110-0001-21-0	X1pro e

*for optional input modules refer to specification or user manual

Dimensions



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Proudly designed and manufactured in Xiamen Hi Technology Zone, China

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