

FLEX R51

Any Angle Rotation & Edge Blending Processor



RGBlink[®]

FLEX RS1

Creative Power - Advanced Rotation and Blending Processing.

For creative video display applications anywhere, RGBlink FLEX RS1 extends the possible. FLEX RS1 adds new levels of flexibility to hardware based video solutions. With multiple operation modes, the four FLEX RS1 outputs may be utilise for advanced rotation, blending and splicing from a choice of 4K inputs.

Each output is resolution independent. In rotation applications, each output can individually be rotated in single degree increments, positioned on a virtual canvas or pixel space with support for variable pixel densities.

As a blending processor for projection, variable edge blending is configurable to produce panoramic displays or arrays in any configuration.

For splicing applications – ideal for LED displays – FLEX RS1 is an easy to use compact processor for up to 8K x 1K.

4K Digital Input

FLEX RS1 features the RGBlink 4K60 digital input module for high resolution digital media sources to be connected via DisplayPort or HDMI. For rotation and blending applications, the 4K input provides for high quality visual signals to be used with minimum need for upscaling.



RGBlink ARO™

Advanced Rotation and blending Output module features four DVI outputs with wide processing capability enabling sophisticated real time video display independent of source video



Advanced Rotation

FLEX RS1 enables displays to be physically positioned and rotated in fine single degree increments, with the processor mapping and delivering video content to the display surface based on position in pixel space. Variable density allows displays of varying sizes to be combined to form creative video display solutions.



Each of the four outputs may be configured individually with rotation in 1 degree positioning. Video layered and mapped across the output displays.



Overlapping displays are supported in any arrangement, opening up a wide range of application possibilities



Each output can be configured independently allowing displays of multiple sizes and pixel densities to be supported

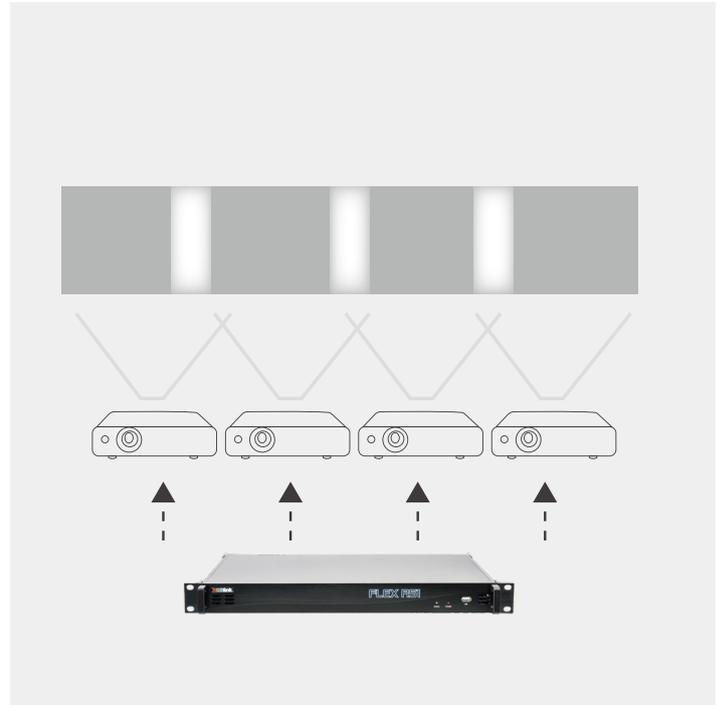
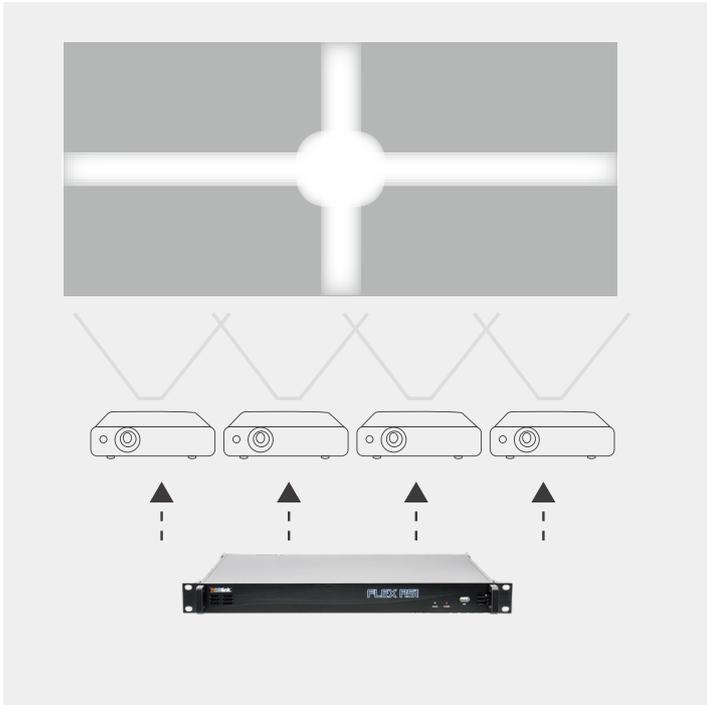


4K 60

OpenAPI
RGBlink
XPOSE[®]

Variable Edge Blending

As an edge blending processor, FLEX RS1 may be configured to output video enabling up to four projectors to be arranged combined to form a single display surface. Area of interest is also selectable allowing variable projection distances and non-linear overlaps



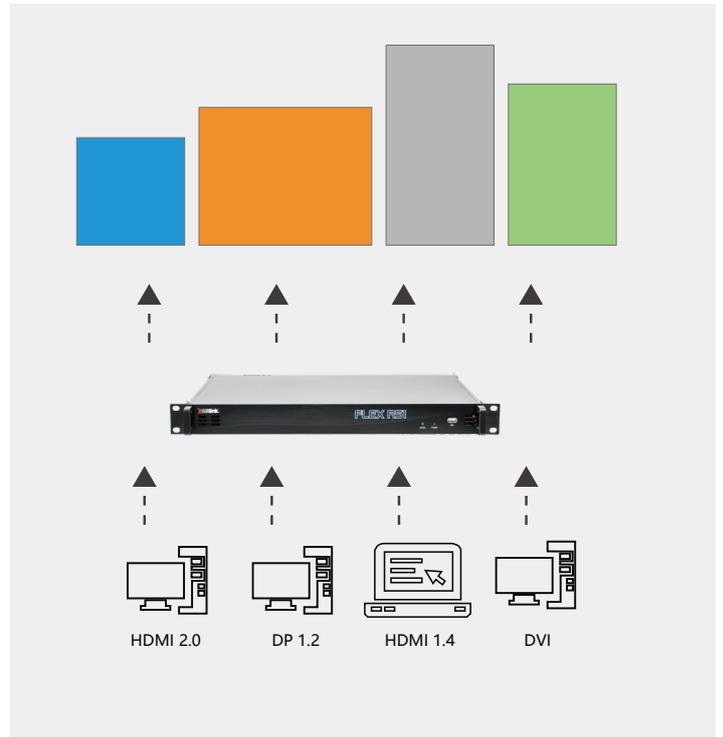
4K Video Wall Splicing

Adding to the versatility of FLEX RS1 is the facility to use the processor as a 4K video wall controller with outputs able to be configured independently for a range of display possibilities.



Matrix Routing

Take advantage of all four inputs, routing scaling/converting to each of the four DVI outputs. Each output is resolution independent.



Multi-Mode Operations

Suitable for a wide range of usage applications from installation to events, for creative rotation to blending and splicing, FLEX RS1 is a self-contained solution that simplifies advanced operations with a single device providing high level commonality across diverse applications.

Independent Output Resolution

Each of the four outputs is resolution independent.

Flip/Mirror

Outputs may be flipped in support of rear-projection applications or similar.

Scale Crop & Position

Position displays on virtual canvas, select area of interest to set density and relative display size.

ArtNet for Performance

FLEX RS1 has ArtNet built in, with an extensive DM512 control profile, RS1 may be dynamically controlled from DMX show controllers allowing for real-time animation applications.

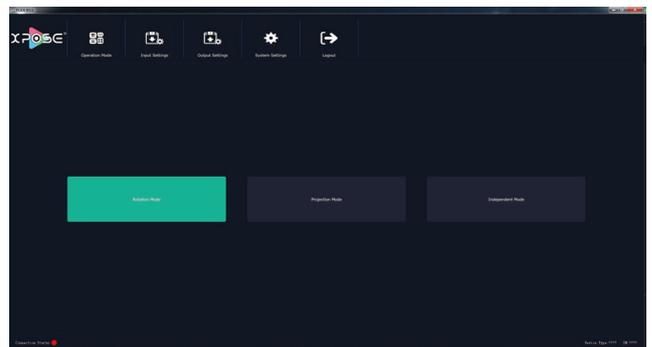
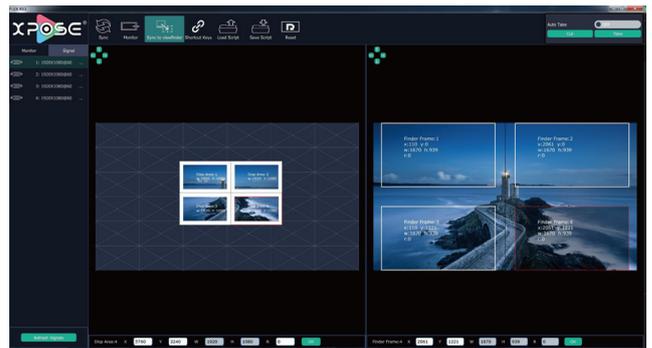
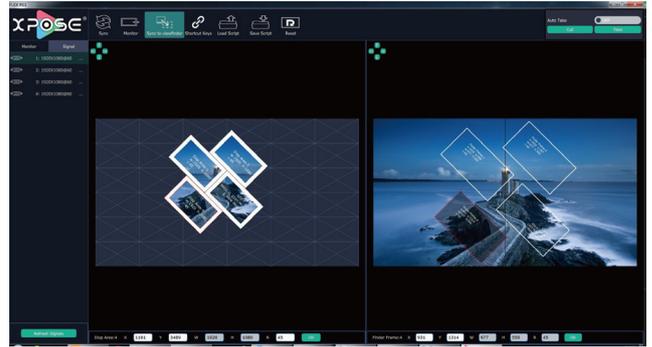
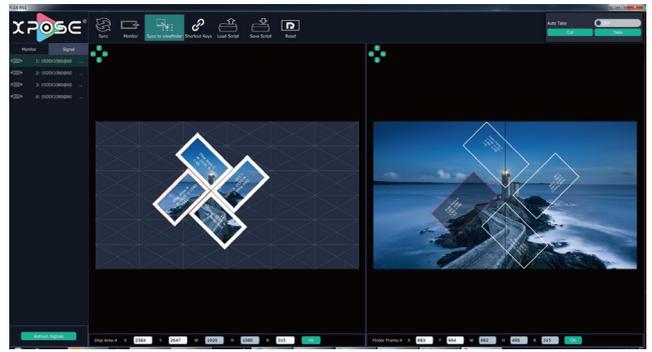


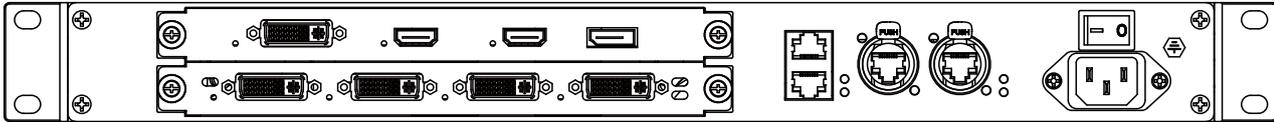
Integrate with OpenAPI

Control FLEX RS1 remotely from third party devices and applications with RGBlink OpenAPI UDP command set.

Familiar XPOSE Configuration

FLEX RS1 may be connected via Ethernet to a computer running XPOSE for control and configuration within the RGBlink universal application platform. The intuitive visual interface templates and interacts with FLEX RS1 for full control and configuration.





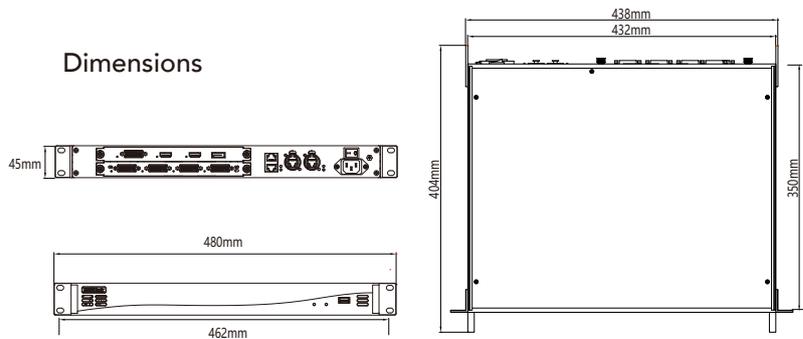
Specification

Connectors	Input	1 slot, fitted with		4K Digital Module	1 x DVI 2 x HDMI 2 x DisplayPort	
	Output	1 slot, fitted with		ARO™ Module	4 x HDMI	
		<i>Select from</i>				
	Communication	2 x RJ45		LAN		
		2 x EtherCon		Art-Net		
Power	1 x USB A		USB In			
	1 x IEC					
Performance	Input Resolutions	DVI /HDMI		SMPTE 480i 576i 720p 1080i 1080p 2160p		
		VESA	800x600@50/60Hz 1024x768@50/60Hz 1280x720@50/60Hz 1280x800@50/60Hz 1280x960@50/60Hz 1280x1024@50/60Hz 1400x1050@50/60Hz 1600x1200@50/60Hz 1920x1080@50/60Hz			
			DisplayPort			
		VESA	1920x1080@60Hz 2560x1600@60Hz 3840x2160@30/60Hz			
	Output Resolutions	<i>Select from below or configure customised</i>				
		DVI				
		SMPTE		720p@50/60Hz 1080p@50/60Hz		
		VESA	800x600@50/60Hz 1024x768@50/60Hz 1280x720@50/60Hz 1280x800@50/60Hz 1280x960@50/60Hz 1280x1024@50/60Hz 1400x1050@50/60Hz 1600x1200@50/60Hz 1920x1080@50/60Hz			
	Supported Standards	HDMI	2.0			
DVI		DVI-I				
DisplayPort		1.2				
Power Supply	Voltage	AC 85-265V 50/60Hz				
	Max Power	65W				
Environmental	Temperature	-25°C – 55°C				
	Humidity	20% - 90%				
Dimensions	Weight	Nett	2.5kg			
		Packaged	5.7kg			
	Dimension	Nett	480mm x 303mm x 45mm			
		Packaged	540mm x 460mm x 135mm			

Order Codes

Product Code	Product Name
700-0001-01-0	FLEX RS1

Dimensions



HDMI® HDCP™

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Proudly designed and manufactured in **Xiamen Hi Technology Zone, China**

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