FLEX RS1

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.

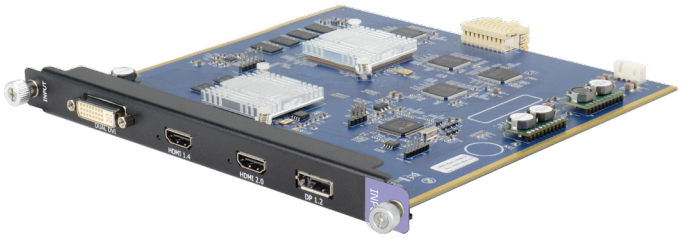
Each output is resolution independent. In rotation applications, each output can individually be rotated in single degree increments, positioned on a virtual canvas or pixel space with support for variable pixel densities.

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.

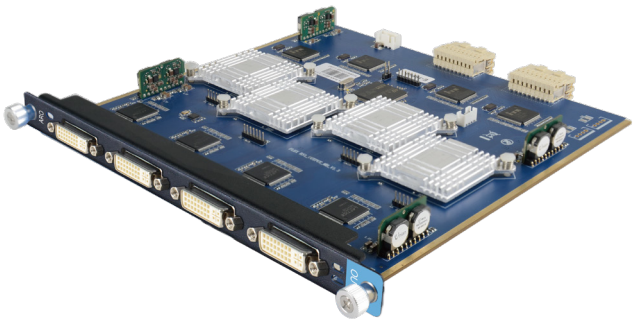
4K Digital Input

FLEX RS1 features the RGBlink 4K60 digital input module for high resolution digital media sources to be connected via Display-Port 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

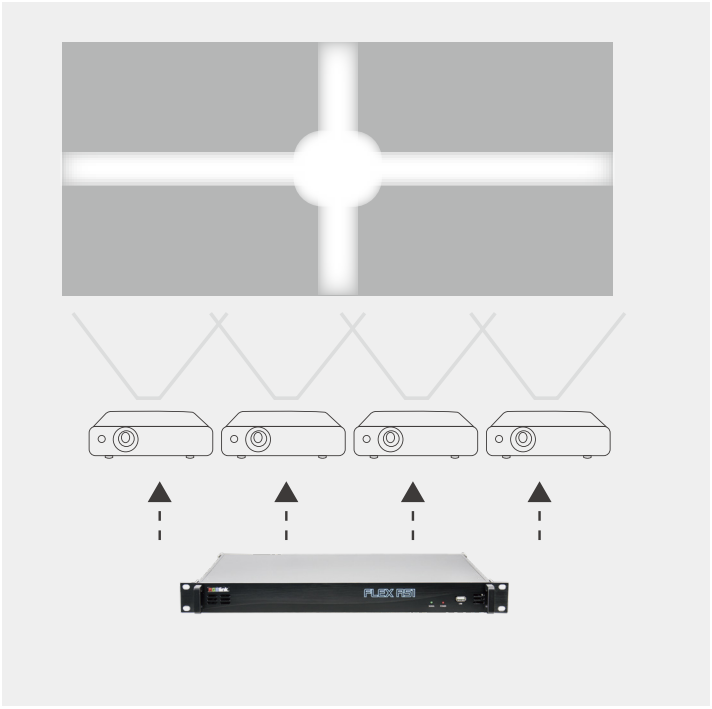
4K 60

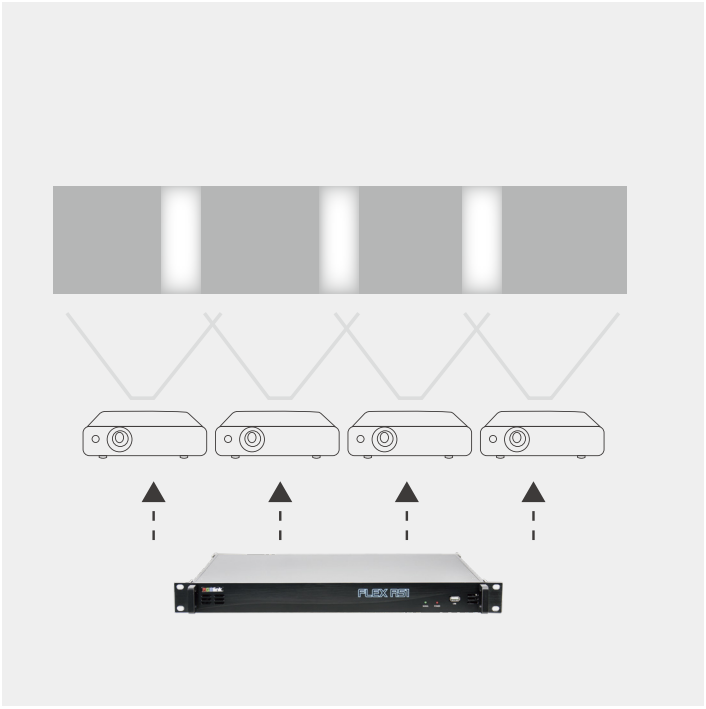
OpenAPI RGBlink

XPOSE

Variable Edge Blending

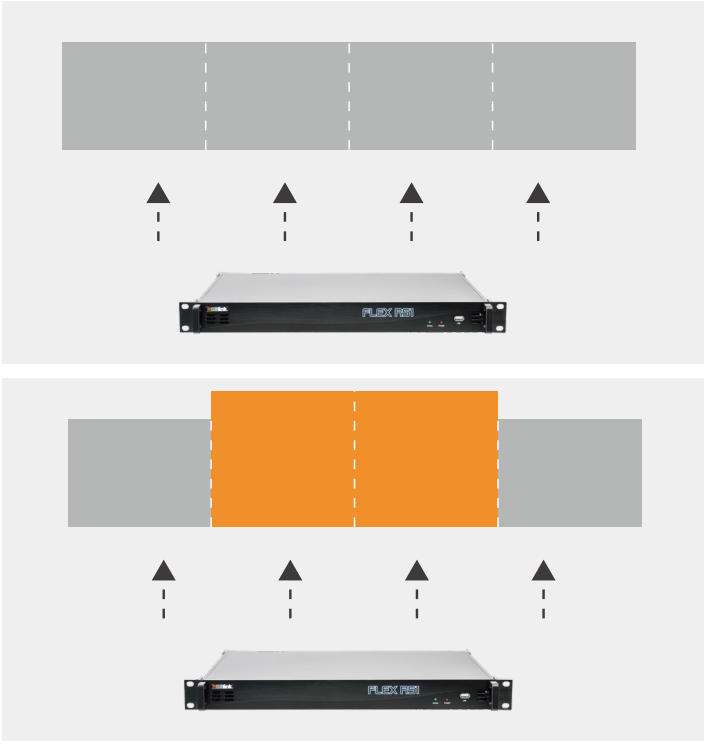
As an edge blending processor, FLEX RS1 may be configured to output video enabling up to four projectors to be arranged combined to form a single display surface. Area of interest is also selectable allowing variable projection distances and non-linear overlaps.





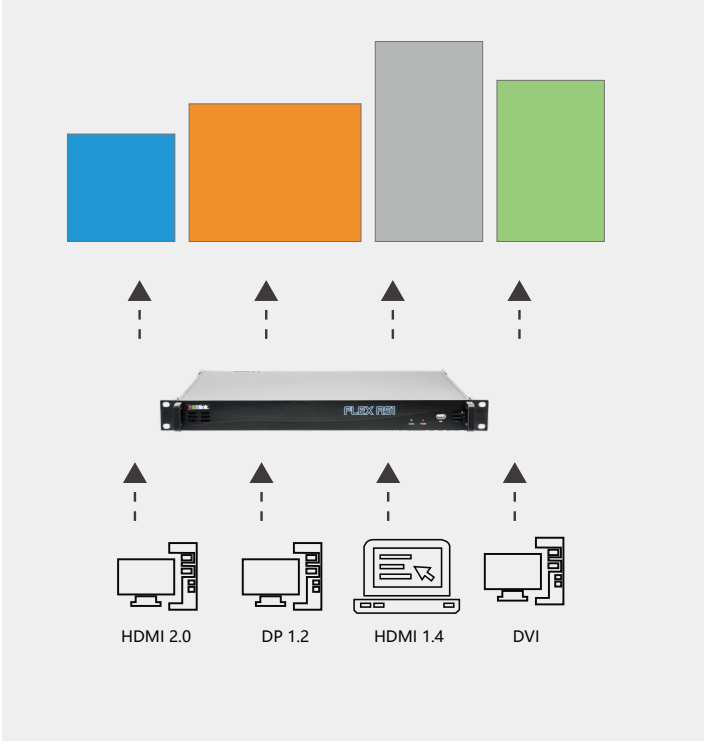
4K Video Wall Splicing

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



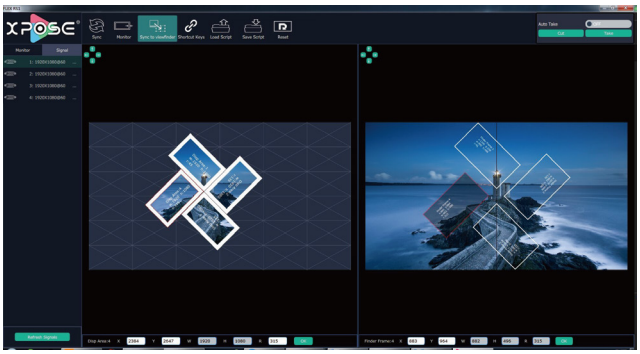
Matrix Routing

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.

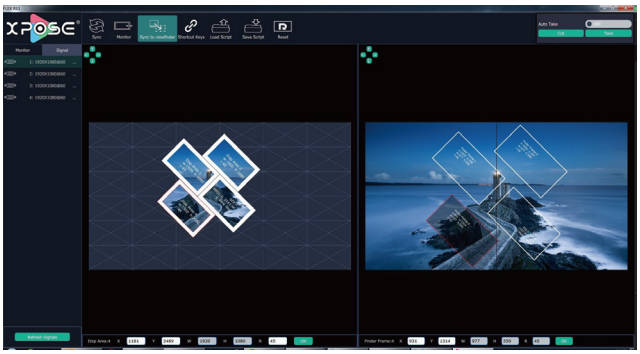


Independent Output Resolution

Each of the four outputs is resolution independent.

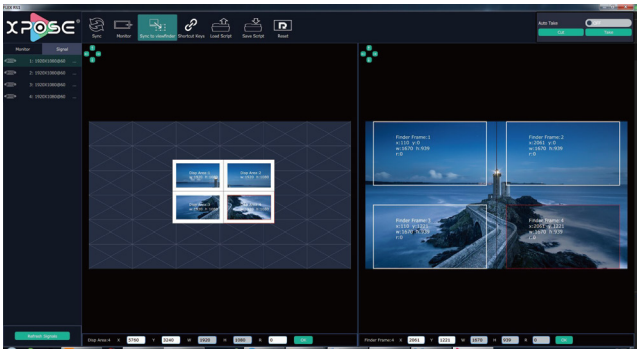
Flip/Mirror

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.



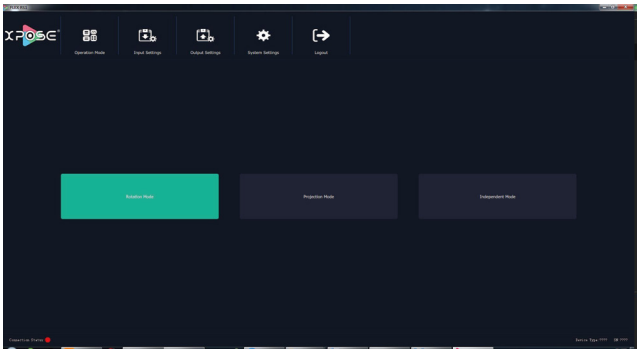
ArtNet for Performance

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.

ART NET ETHERNET

Integrate with OpenAPI

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



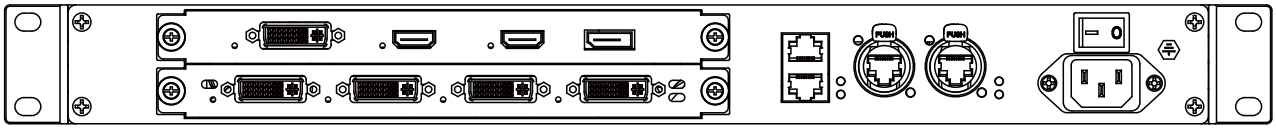
Familiar XPOSE Configuration

FLEX RS1 maybe connected via USB 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.

4K 60

OpenAPI RGBlink

XPOSE



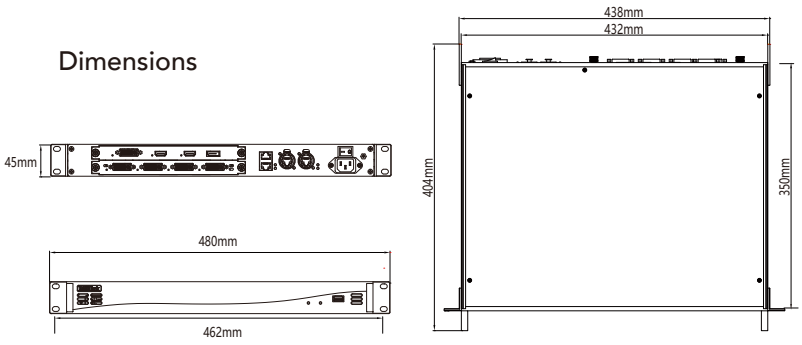
Specification

Connectors	Input	1 slots up to 4 inputs	
		Standard with	4K@60Hz Input Module	1 × DVI I 2×HDMI-A I 1×DisplayPort
	Output	1slots, up to 4 outputs	
		Standard with	ARO Rotation Module	4 × DVI-I
	Communication	RS485	Salve In I Out	2 × RJ45
		Artnet	In I Link	2 × RJ45 （Ethercon）
	Power	1 x IEC	
Performance	Input Resolutions	DVI I HDMI 1.4	
		SMPTE	720p@50/59.94/60 I 1080i@50/59.94/60 I 1080p@50/59.94/60 I 2160p@30
		VESA	800×600@60 I 1024×768@60 I 1280×720@50/59.94/60 I 1280×800@60 I 1280×960@60 I 1280×1024@60 I 1400×1050@60 I 1600×1200@60 I 1920×1080@50/59.94/60 I 2560x960@60I 3840 x 2160@30
		HDMI 2.0 I DP 1.2	
		SMPTE	720p@23.98/24/25/29.97/30/50/59.94/60 I 1080p@50/59.94/60 I 2160p@30/60
		VESA	800×600@60 I 1024×768@60 I 1280×768@60 I 1280×800@60 I1280×1024@60 I 1360×768@60 I 1366×768@60 I1400×900@60 I 1600×1050@60 I 1600×1200@60 I 1680×1050@60 I 1920×1080@60 I 1920×1200@60 I 2048×1080@60 I 2048×1152@60 I 2560×812@60 I 2560×960@60 I 2560×1600@60 I3840×1080@60I 3840×2160@30 I 3840×2160@60
	Output Resolutions	Select from below or configure customised	
		DVI	
		SMPTE	720p@50/59.94/60 I 1080i@50/59.94/60 I 1080p@50/59.94/60
		VESA	800×600@60 I 1024×768@60 I 1280×720@50/59.94/60 I 1280×800@60 I 1280×960@60 I 1280×1024@60 I 1400×1050@60 I 1600×1200@60 I 1920×1080@23.98/24/25/29.97/30/50/59.94/60
	Supported Standards	HDMI	2.0
		DVI	Dual Link
		DisplayPort	1.2
Power	Input Voltage	AC 90-264V 50/60Hz	
	Max Power	65W	
Environmental	Temperature	0°C～40°C	
	Humidity	10% - 85%	
Physical	Weight	Nett	2.5kg
		Packaged	5.73kg
	Dimension	Nett	480mm×438mm×404mm
		Packaged	540mm×460mm×135mm

Order Codes

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

Dimensions



HDMI® HDCP™

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