

# FLEXpro<sup>8</sup>

multi-layer video wall processor



Powerful and flexible video wall  
processing solution

**RGBlink<sup>®</sup>**

# FLEXpro 8

## Next generation flexible solution for sophisticated video applications

FLEXpro8 is an all new video processing solution for modern large scale display applications. With support for over 18 mega pixels across eight outputs, FLEXpro8 is designed for professional applications. Fit up to 16 independent inputs integrating a range of video sources and signals utilised in commercial display systems.

The innovative RGBlink modular signal system provides native on support for HDBaseT, Fiber and LED Control signals as well as conventional signals, embracing flexibility while being an efficient self-contained system.

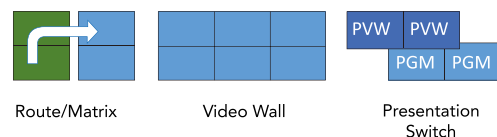
Whether for integration or proAV FLEXpro8 has the multi-signal, multi-layer technology for virtually any display application.

### Modular Design

FLEXpro8 has 4 input slots which may be configured with up to 16 universal single modules or 8 dual height modules. Input support includes 4K@60 (HDMI2.0) as well as SDI, DVI, HDBaseT and USB2.0 Media. Modular outputs across 2 slots provides for 8 outputs, standard as DVI with options for SDI, HDMI, DVI, DisplayPort, HDBaseT and importantly native Subtuo Quatro signals.

### Multi-Mode Operations

Select the operation mode suitable for the application from continuous video wall mode to presentation mode and routing modes.



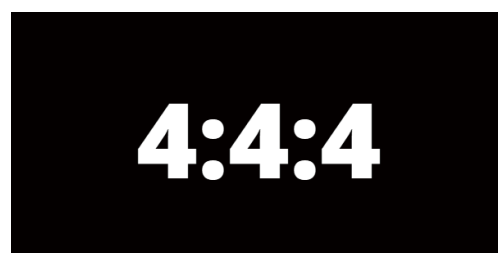
### HDR Support

Signals with High Dynamic Range are supported for processing via the processor with high bandwidth and wide gamut 12bit grey level processing.



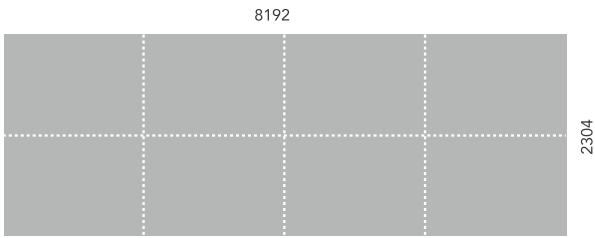
### Full Color Space

Video scaling and conversion takes advantage of the RGBlink full 4:4:4 in hardware processing engine for the maximum visual performance.



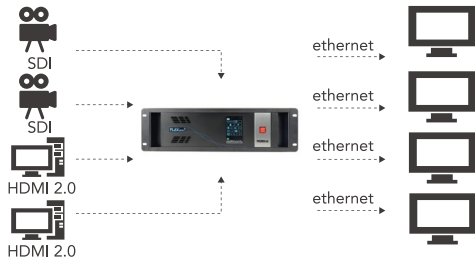
## 18 Mega Pixel Capacity

Arrange outputs on a virtual canvas to create display surfaces up to 8192x2304px at high 60Hz digital refresh



## Video Over IP

FLEXpro8 includes options for video over ethernet standards including HDBaseT modules allowing direct connection to displays without conversion.



## 4K / UHD Support

Select from digital input and output options including HDMI.



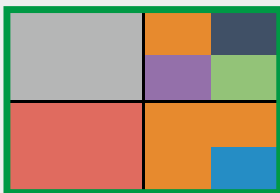
## Genlock

For synchronisation with other video devices, Genlock Y In is provided along with loop out.

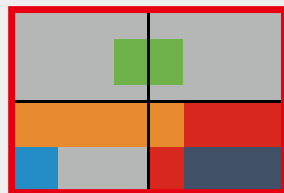


## Presentation Switch

Set FLEXpro8 in presentation mode to configure the outputs as for full preview (PST) and program (PST) operations with multiple layers across outputs. Seamlessly switch between presets.



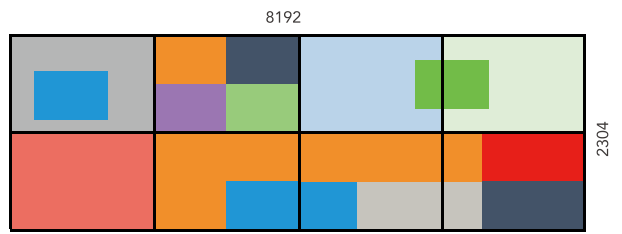
PST



PGM

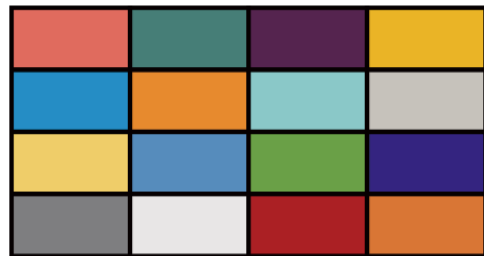
## 32 Video Layers

Display up to 32 video layers from across any of up to 16 input sources. A signal output supports up to eight layers allowing extensive multi-windowing opportunities



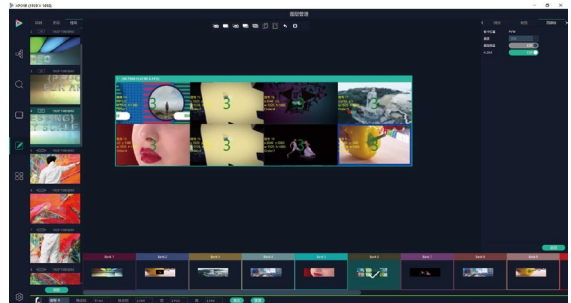
## Dedicated Multi-View Preview

A built in preview feature allows local and remote preview video sources. Connect display to HDMI PVW for a 4x4 Multiview. Connect the H.264 to XPOSE or a third party application to view multiple sources remotely. When connected to XPOSE, video can be seen in presets during configuration and operations.



## Connect and Control

Remotely configure and control FLEXpro8 from XPOSE on Windows or macOS via LAN. Integrators may take advantage of RGBlink OpenAPI controlling FLEXpro8 from third party devices or applications over UDP.



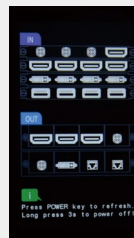
## Modular Power Supply

Fully self contained power supply is user exchangeable without tools. Power Supply is designed for high availability 24/7 server applications.



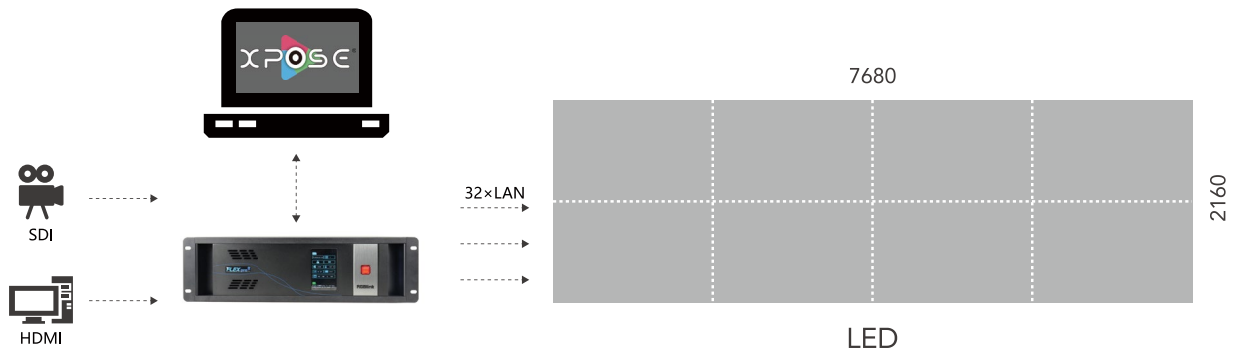
## Front LCD Monitoring

The integral LCD provides local monitoring and status of FLEXpro8.



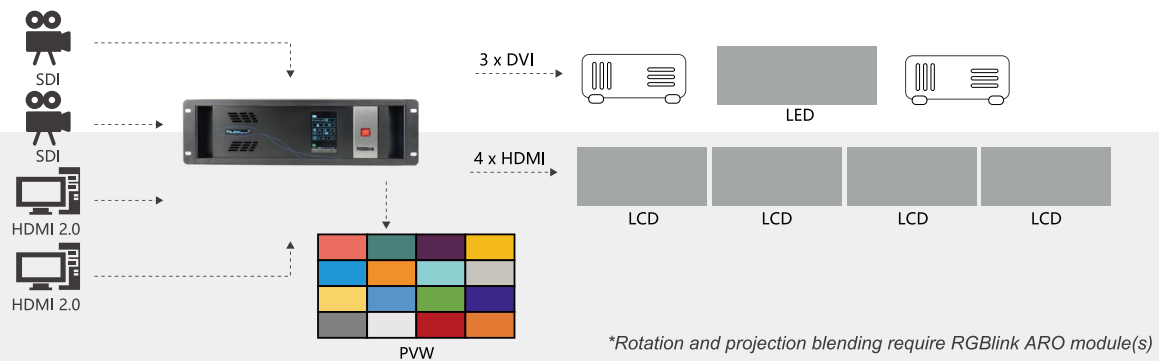
## LED Control System

With RGBlink Subito built directly in to FLEXpro 8, installing Subito Quatro provides deep and rich no-gap integration for LED displays natively into the video processing solution, enhancing efficiency and productivity with a single common interface while reducing potential points of failure and saving valuable rack space.



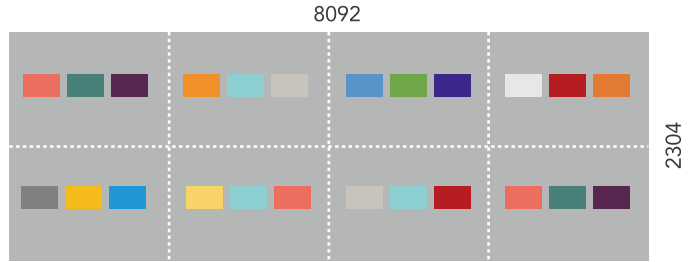
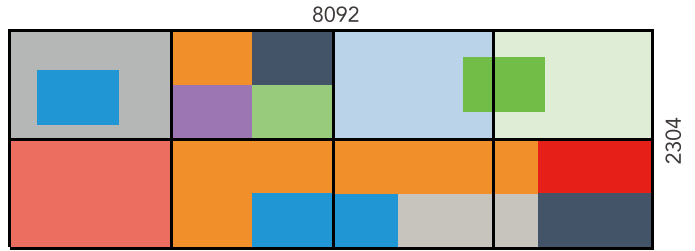
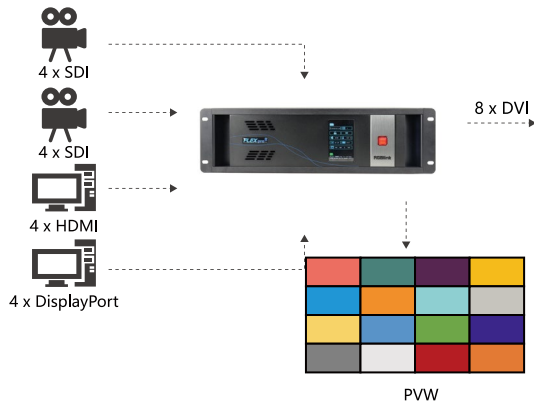
## Display System Management

Multi-display and multi-mode operations are available on FLEXpro 8, enabling the processor to provide a complete systems based solution across a combination of display types and operation requirements with centralised control.

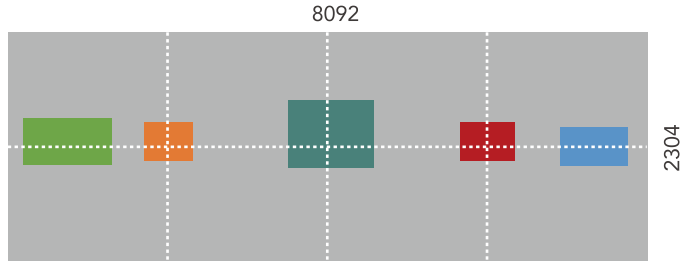
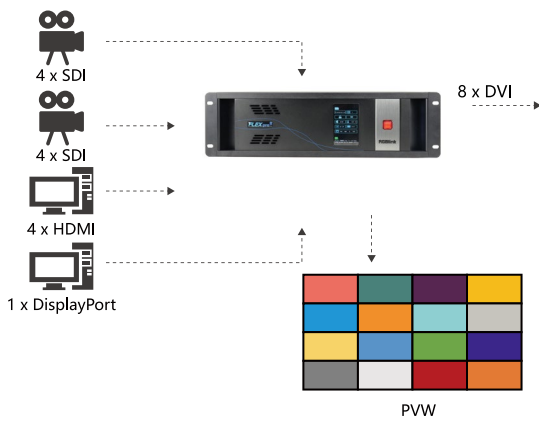


## Video Wall Processor

Configure FLEXpro8 as video wall splicing processor with up to 32 layers presented. Outputs may be arranged in pixel space as one of more displays with video mapped across the pixel space. Switch between presets seamlessly.



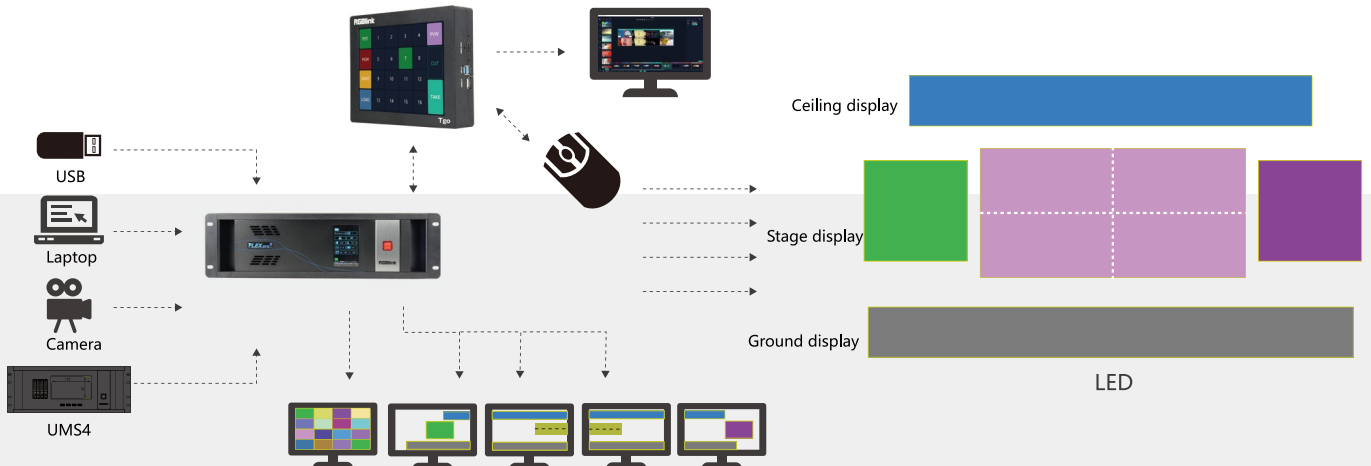
*Example: 16 independent sources displays as PIPs within each display, with a background image. Preview the connected sources via dedicated HDMI*



*Example: 5 independent sources displays as PIPs within each display, with a background image. Preview the connected sources via dedicated HDMI*

## Remote control

Control FLEXpro 8 via XPOSE, T1 Series consoles, or integrate via RGBlink OpenAPI with XPOSE and OpenAPI unlocking the powerful video control possibilities.



# Specification

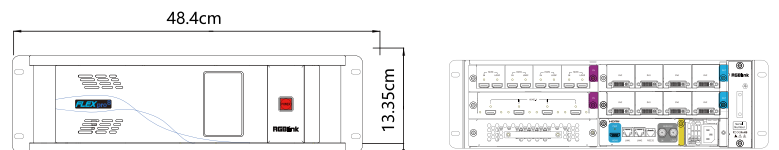
<b>Connectors</b>	Input	2 slots, up to 16 Single height inputs or 8 double height inputs			
		Standard with	4K HDMI	4×HDMI-A (1×4K2K or 2×4K1K or 4×2K1K)	
			2K HDMI	8×HDMI-A (4 In   4 Loop)	
		Optional select from	HDMI 1.3 Module	1×HDMI-A	
			4K HDMI Module	4×HDMI-A (1×4K2K or 2×4K1K or 4×2K1K)	
			2K HDMI Module	2×HDMI-A (1 In 1 Loop)	
			3G SDI Module	2×BNC (1 In/1 Loop)	
			DVI Module	1×DVI-I (Compatible with VGA,CVBS ,YPbPr)	
		HDBaseT Module	1×RJ45		
		USB Module	2×USB-A (1 In/1 Backup)		
Output	2 slots, up to 8 double height				
	Standard with	DVI	8×DVI-I (DVI only)		
	Optional select from	3G SDI Module	2 x BNC	DisplayPort Module	1×DisplayPort
		HDMI Module	1 x HDMI-A	HDBaseT Module	1×RJ45
	S-DVI Module	1×DVI-I	Quatro Module	4×RJ 45	
PVV		HDMI	1×HDMI-A		
Communication		LAN	1 x RJ45		
		RS 232	1 x RJ11		
		GenLock In/Loop	2 x BNC		
Power			1×IEC		
<b>Performance</b>	Input Resolutions	<b>SDI</b>			
		SMPTE	480i   576i   720p@50/60   1080i@59.94/60   1080p@50/59.94/60		
		<b>DVI   HDBaseT</b>			
		SMPTE	480i   576i   720p@50/59.94/60   1080i@50/59.94/60   1080p@50/59.94/60		
		VESA	800x600@60   1024x768@60   1280x768@60   1280x1024@60   1600x1200@60   1920x1080@60   1920x1200@60   2048x1152@60		
		<b>HDMI</b>			
	SMPTE	480i   576i   720p@50/59.94/60   1080i@50/59.94/60   1080p@50/59.94/60   2160p@50/60			
	VESA	800×600@60   1024×768@60   1280×1024@60   1440×900@60   1600×1200@60   1920×1080@60   3840×2160@60   4096×2160@60			
	Output Resolutions	Select from below or configure customized			
		<b>SDI</b>			
		SMPTE	720p@50/50.94/60   1080p@50/59.94/60		
		<b>DVI   HDBaseT   HDMI</b>			
		SMPTE	720p@50/59.94/60  1080p@50/59.94/60		
		VESA	800×600@60   1024×768@60   1280×720@50/59.94/60   1280×800@60   1280×960@60   1280×1024@60   1400×1050@60   1600×1200@60   1920×1080@60		
		<b>DP</b>			
		VESA	800×600@60   1024×768@60   1280×1024@60   1440×900@60   1600×1200@60   1920×1080@60		
Subito Quatro	RJ45 Digital Output Port (each port)				
	Capacity	655,360 pixels			
	Horizontal Range	3840 pixels			
	Vertical Range	2048 pixels			
Supported Standards	SDI	SMPTE 425M (Level A & B)   SMPTE 424M   SMPTE 292M   SMPTE 259M-C   DVB-ASI			
	HDMI	2.0			
	DVI	1.0			
	DisplayPort	1.1			
	HDBaseT	1.0			
Grey Level	12 bit				
Color Space	4:4:4				
<b>Power</b>	Input Voltage	AC 100V-240V, 50/60Hz			
	Max Power	400W			
<b>Environment</b>	Temperature	0°C – 40°C			
	Hudmidity	10% - 85%			
<b>Physical</b>	Weight	Net (Device)	12.3kg		
		Packaged	20.4kg		
	Dimension	Net (Device)	485mmx387mmx135mm		
		Packaged	635mmx545mmx275mm		

## Order Codes

Product Code	Item
710-1008-02-0	FLEXpro 8

\*Refer to specifications for module options

## Dimensions



# HDMI® HDCP™

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