



# Universal Routing and Scaling





## Modular Video Wall Control

Beautifully designed and compact, X2 is ideal for fixed pro AV and integration applications. Universal routing and scaling built on innovative RGBlink technologies, X2 has a fully modular input and output structure supporting up to 16x16 inputs and outputs, allowing the processor to be configured to specific applications with low overhead.

Control and configuration is achieved via a ethernet interface in conjunction with XPOSE®, XPOSE mobile or RGBlink OpenAPI. Configure X2 for routing and matrix operations or for video wall applications, including spliced displays with bezel offset support.

A dedicated preview output is available while source IP streaming extends monitoring to XPOSE and other IP clients. Genlock and Digital Reference together with LayerLink™ and uLink allows multiple devices to operate together as one system.

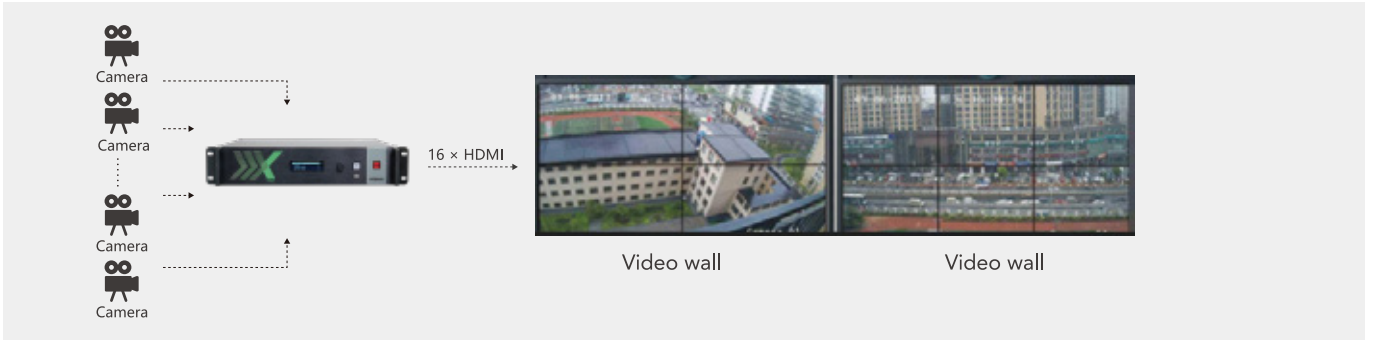
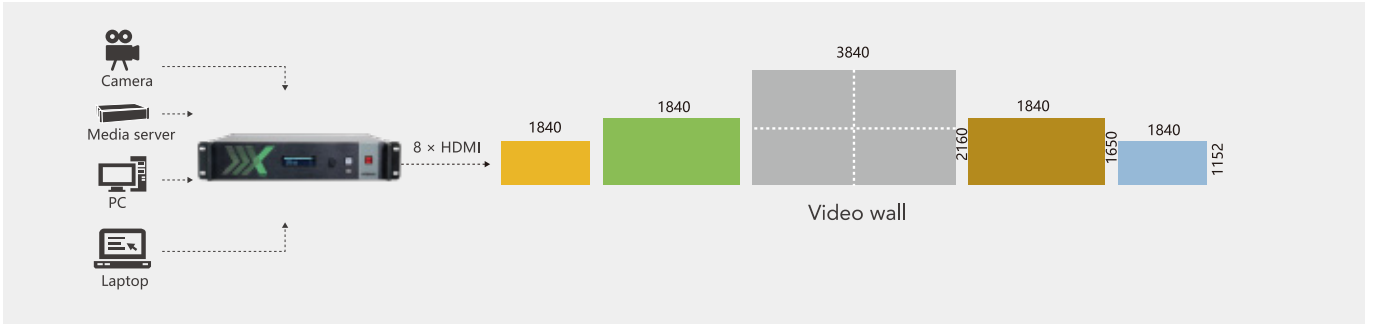
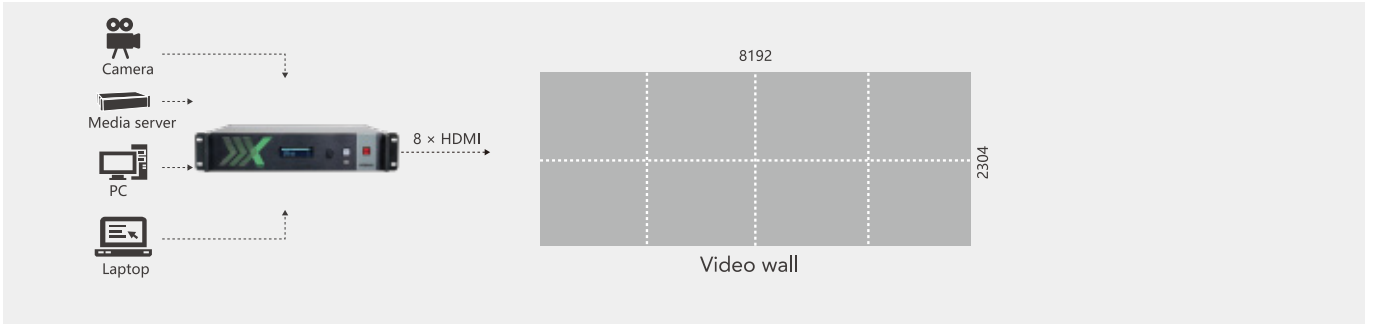
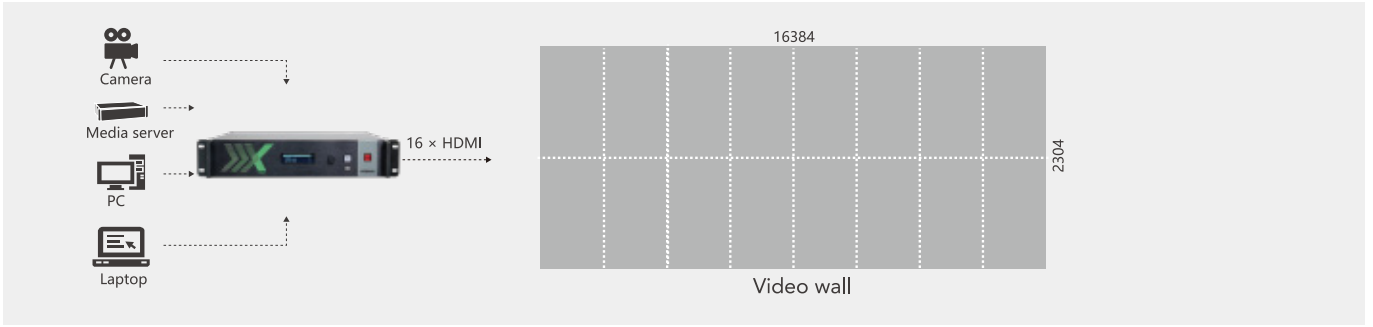
Designed for high-availability requirements, X2 supports hot-swap / redundant power supply and includes multiple configurable failover and backup features ideal for control room and other integration applications.

- Fully modular design
- Wide range of input signal options
- 33 mega pixel capacity
- Multi-mode operations
- Source streaming previews over IP
- Output rotation in 90 degree increments
- OSD
- Genlock In & Digital Reference support
- Support for redundant power supply
- Store and recall presets on board
- Save settings and presets offline



### Videowall Mode

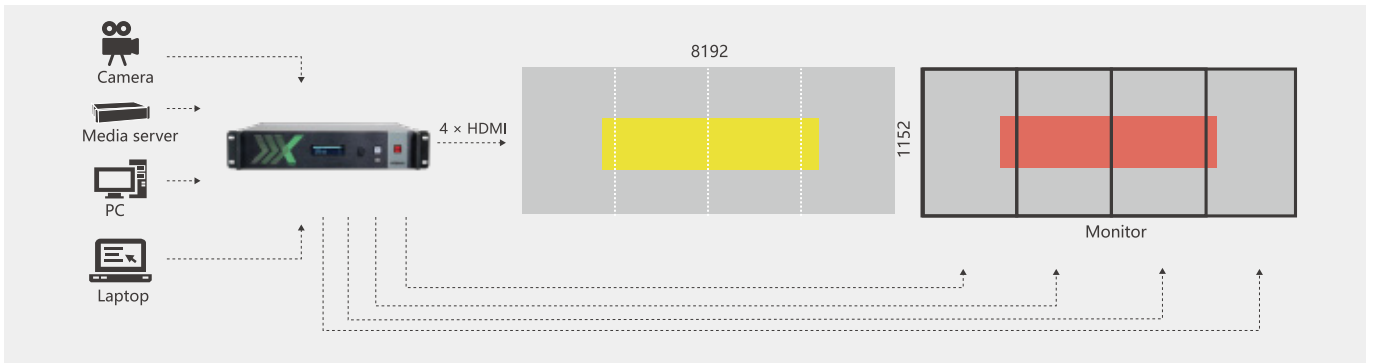
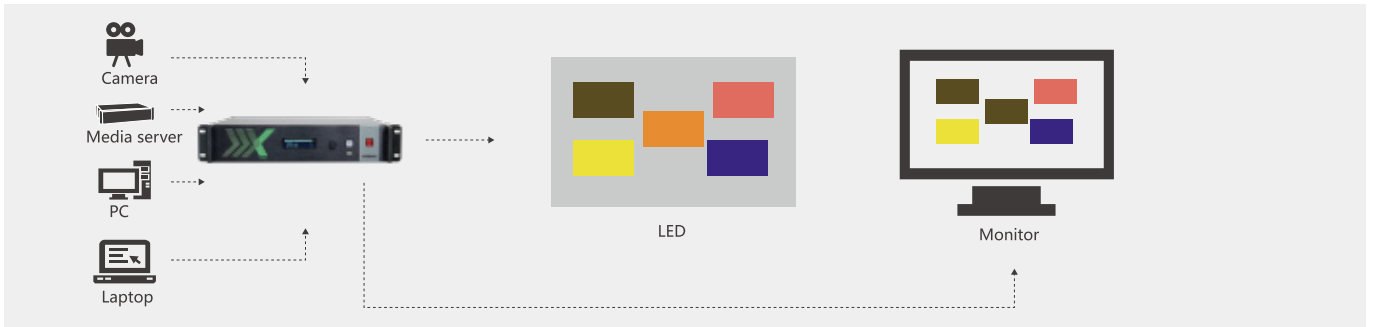
Arrange output displays/monitors for up to 16K x 2K output or 32K x 1K output, with up to four layers per output slot.



\* product shown with optional modules fitted. Refer to specifications and manuals.

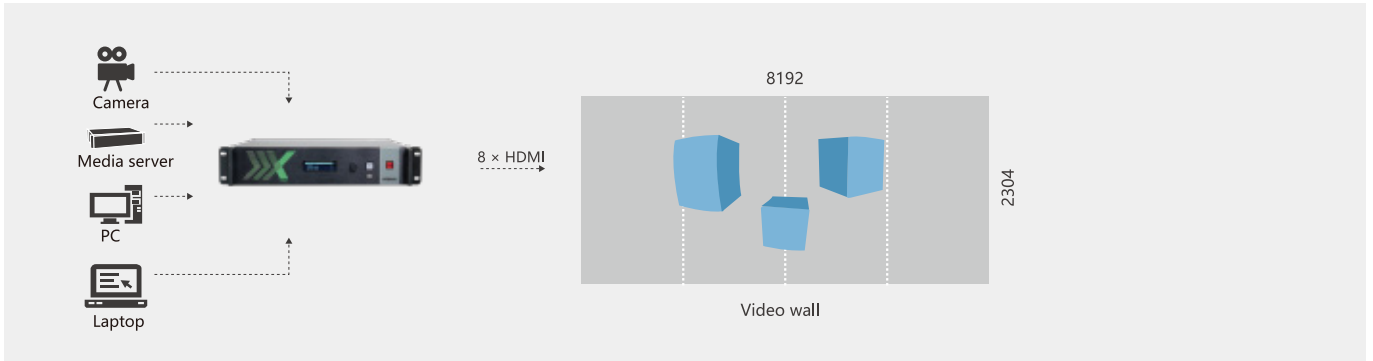
### Preview Mode

The outputs are split with half of the outputs being Preview (PST) while the other half are for Program (PST) output. Seamlessly switch from PST to PGM.



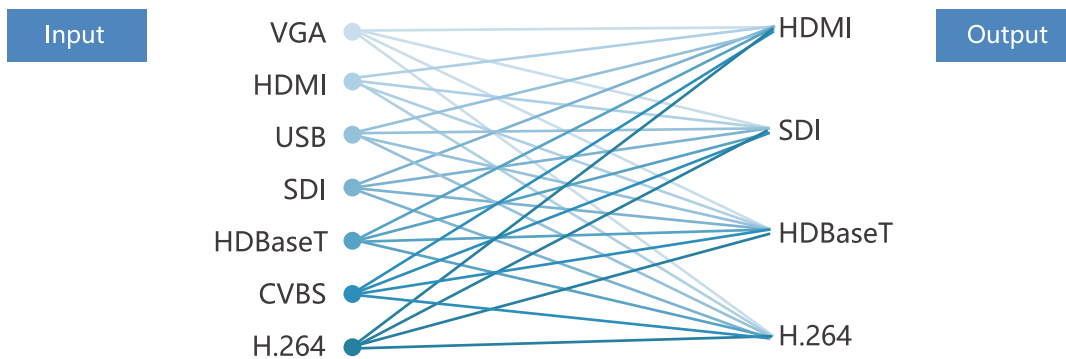
### 3D Mode

Common 3D signals may be utilised and scaled for output up to 8K x 2K.



### Matrix Mode

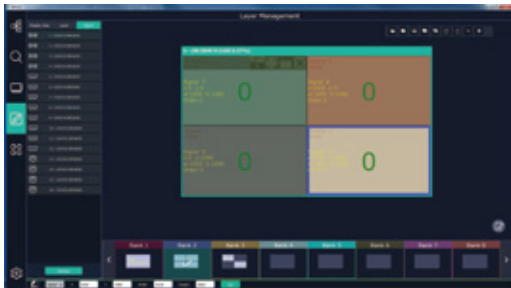
Use X2 as a multi-signal / mixed signal matrix for cross-conversion and distribution of input signals to one or more outputs.





### Configure, Control, Integrate

Use RGBlink XPOSE to fully configure X2 while maintaining all settings and presets on board the X2 hardware-based processing platform. Control and integrate using XPOSE or RGBlink OpenAPI.



### Synchronise

X2 includes both Genlock and HDMI Digital Reference inputs, allowing a variety of synchronisation scenarios. Additionally RGBlink uLink is built in support of multi-device cascade.



### Modular by Design

Designed with the integrator in mind, all X2 inputs and outputs are modular and hot swappable. Arranged in slots, each slot supports up to four 2K inputs, with a wide range of signal options available allowing native connections minimising the need for converters or adapters.

### Rotate

Outputs maybe rotated in 90 degree increments, ideal for commercial and retail applications.



### Splicing

Arrange video layers across multiple outputs with fully synchronised spliced outputs pixel-for-pixel.

### LOGO/Image Capture

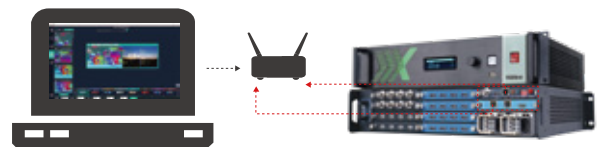
Capture a frame and store on board for recall on demand, including for use as fallback.

### Store Settings

All settings including presets are stored on board, these configuration files may also be download and stored of line.

### H.264 video stream

Stream video input sources via dedicated H.264 ports. Display source previews in XPOSE or video players. Customise port configurations to suit the application.



### Configurable Outputs

Set the output resolution and scale to multiple display sizes, whether for LCD, projection or LED.



### HDBaseT Direct Connect

The range of X2 output modules includes HDBaseT allowing both direct connection to displays supporting this standard and supporting HDMI signals extended up to 100 metres.



## Specifications

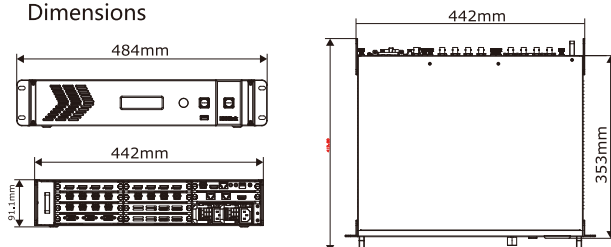
Connectors	Input	4 slots, up to 16 inputs				
		Select from	HDMI 2K Module	4 x HDMI-A	VGA Module	3 x DB15
			3G SDI Module	4 x BNC	H.264 Input Module	4 x RJ45
			USB Module	4 x USB	HDBaseT Module	4 x RJ45
			CVBS Module	4 x BNC	4K@30 Digital Module	1 x HDMI-A&LOOP   1 x DisplayPort&LOOP
	Output	4slots, up to 16 outputs				
		Select from	HDMI 2K Module	4 x HDMI-A	HDBaseT Module	4 x RJ45
			3G SDI Module	4 x BNC	H.264 Module	1 x HDMI   2 x RJ 45
	PVW		H.264/HDMI	1 x HDMI-A   2 x RJ 45		
	Communication		ULink In   Out	2 x 3.5mm Jack	Genlock/Sync	1 x BNC   1 x HDMI-A
			LAN	1 x RJ45		
	Power	2 slot		2 x IEC		
Performance	Input Resolutions	SDI				
		SMPTE	480i   576i   720p@50/60   1080i@59.94/60   1080p@23.98/24/25/29.97/30/50/59.94/60   1080psf@23.98/24/25/29.97/30 /50/59.94/60			
		HDMI   USB				
		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   1920x1200@60   2048x1152@60   2560x816@60			
		HDBaseT				
		SMPTE	720p@50/59.94/60   1080p@23.98/24/25/29.97/30/50/59.94/60			
			800x600@60   1024x768@60   1280x768@60   1280x800@60   1280x1024@60   1366x768@60   1366x768@60   1400x1050@60   1400x900@60   1680x1050@60   1600x1200@60   1920x1080@60   1920x1200@60   2048x1152@60   2560x812@60   2560x816@60			
		VGA				
		VESA	800x600@60   1024x768@60   1280x1024@60   1366x768@60   1440x900@60   1600x1200@60   1920x1080@60			
	HDMI 1.4   DP 1.1a					
	SMPTE	480i   576i   720p@50/59.94/60   1080i@50/59.94/60   1080p@50/59.94/60   2160p@30				
	VESA	800x600@60   1024x768@60   1280x1024@60   1366x768@60   1440x900@60   1920x1200@60   3840 x 2160@24   3840 x 2160@25   3840 x 2160@30				
	CVBS					
	SMPTE	480i   576i				
	H.264					
	VESA	480x320@60   480x360@60   480x384@60   480x480@60   544x480@60   608x448@60   640x360@60   704x576@60   720x480@60   720x540@60   720x576@60   850x480@60   1024x576@60   1280x720@60   1680x1056@60   1920x1080@60				
	Output Resolutions	Select from below or configure customized				
		SDI				
		SMPTE	720p@50/59.94/60   1080i@50/59.94/60   1080p@23.98/24/25/29.97/30/50/59.94/60			
HDMI   HDBaseT						
SMPTE		720p@50/59.94/60   1080i@50/59.94/60   1080p@23.98/24/25/29.97/30/50/59.94/60				
VESA		800x600@60   1024x768@60   1280x768@60   1280x800@60   1280x1024@60   1360x768@60   1366x768@60   1400x900@60   1400x1050@60   1600x1050 @60   1600x1200@60   1920x1080@60   1920x1200@60   2048x1152@60   2560x812@60   2560x816@60				
H.264						
VESA		176x144@60   240x180@60   320x180@60   320x256@60   352x226@60   352x480@60   400x224@60   400x322@60   480x270@60   480x320@60   480x360@60   480x384@60   480x480@60   544x480@60   608x448@60   640x360@60   704x576@60   720x480@60   720x540@60   720x576@60   850x480@60   1024x576@60   1280x720@60   1680x1056@60   1920x1080@60				
Supported Standards		HDMI 1.4	DP 1.1a	HDBaseT 1.1		
Grey Level		3G SDI	VGA-UXGA	USB 2.0		
	12 bit					
Features	Max Numbers of Layers	16				
	Splicing	16k2k				
	Remote Control	XPOSE (Windows/MacOS)   OpenAPI   T Series Console				
Power	Input Voltage	100V-240V 50/60-Hz auto adjusting				
	Max Power	200W				
Environment	Temperature	0°C~40°C				
	Humidity	10% - 85%				
Physical	Weight	Net	12kg			
		Packaged	18kg			
	Dimensions	Net	484mm x 413mm x 91mm			
		Packaged	630mm x 595mm x 255mm			

## Order Codes

Product Code	Item
310-0002-01-0	X2

\*Refer to specifications for module options

## Dimensions



**HDMI® HDCP™**

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