

M2



All in One Mixing and Scaling

RGBlink[®]



Multi-layer video mixing and integrated solution

Ideal for meeting and conference rooms, houses of worship and any events spaces where hands on video control is needed for one or more displays, M2 is a complete integrated video processing and control solution.

M2 is packed with advanced features across multiple operation modes that offer a high level of flexibility for live presentation applications.

Choose from two models – M2 with four HDMI outputs or M2s with additional duplicated two channel output via SDI and HDMI ideal for connecting downstream devices such as recording and streaming.

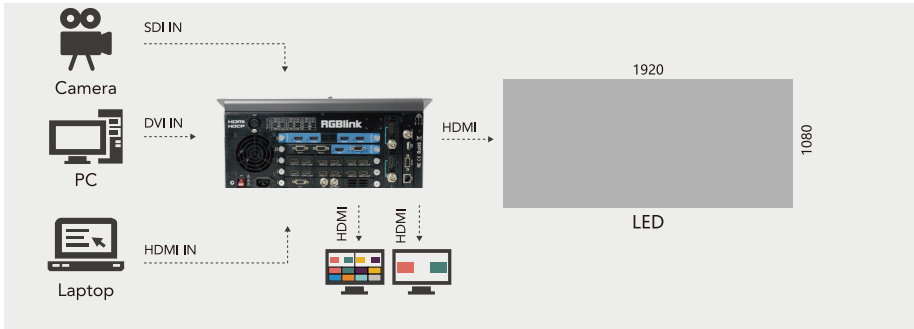
Features

- Four standard mode configuration HDMI outputs
- 3 slots up to 9 user fit input modules
- Support hot swap modules
- Dedicated Preview (PVW) output
- Seamless switching
- Output splicing up to 8K1K
- Independently control two different displays
- 3 video layers plus overlay layers for OSD, LOGO and STILL
- Apply a mask to the foreground layer
- Genlock Y In· Over a dozen digital transitions via T-bar or TAKE
- TALLY signalling support for connected systems
- Store and recall presets on board
- Save settings and presets to USB

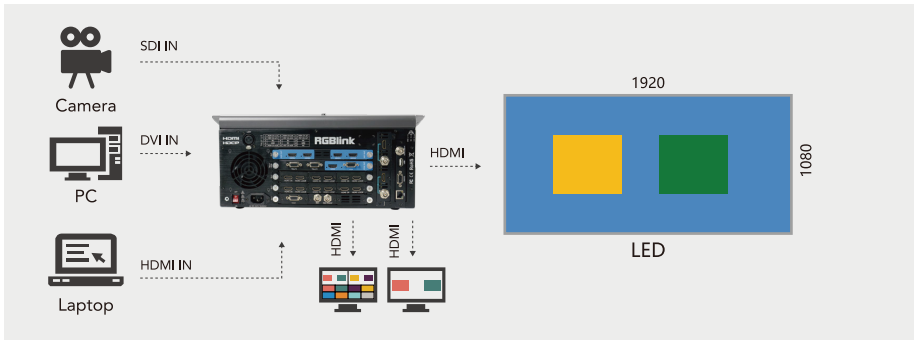


Standard Mode

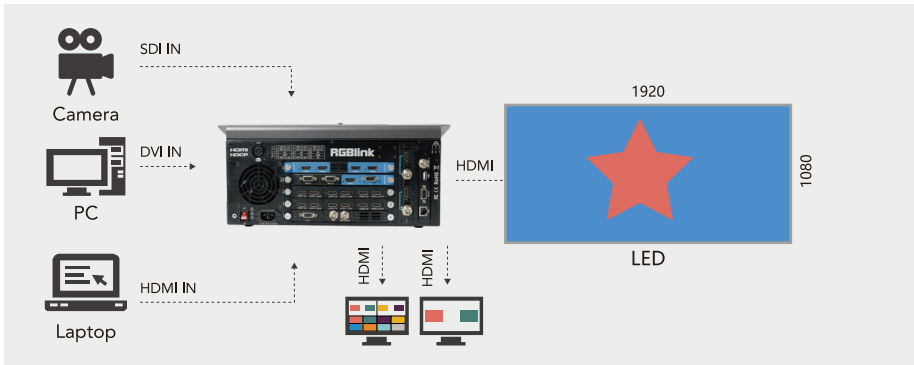
Outputs are arranged in duplicated pairs for conventional 2K output with full PST and PGM switching of up to three video layers.



Example: 2K PGM output canvas. This output is duplicated on the second HDMI PGM.



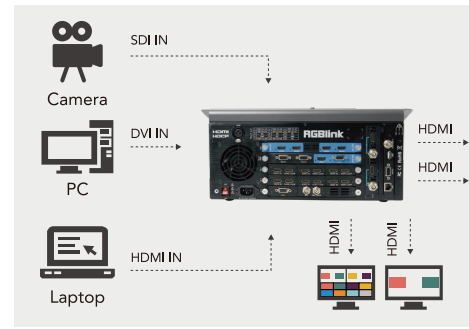
Example: Three video layers on PGM and three video layers on PST separately configured.



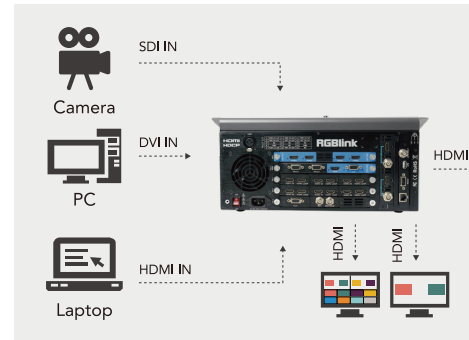
Example: Mask applied to a foreground PIP, with PST configured separately

4K1K Splicing Mode

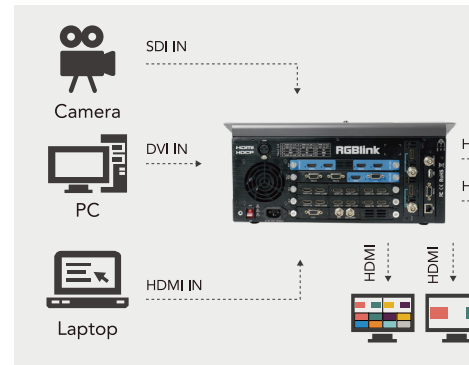
In 4K1K, or Dual2K mode, each pair of output canvas on which up to 2 video background image.



Example: 4K PGM output canvas with both HDMI



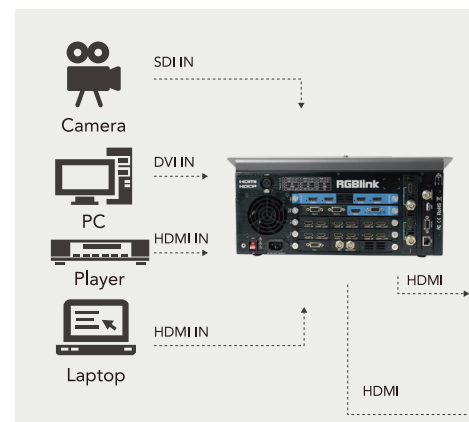
Example: 4K PGM output canvas with background



Example: 4K PGM output canvas with background

Matrix Mode

Utilise M2 as a mixed signal matrix, routing multiple sources to multiple outputs scaled separately.



Example: Multiple signal sources each routed to a



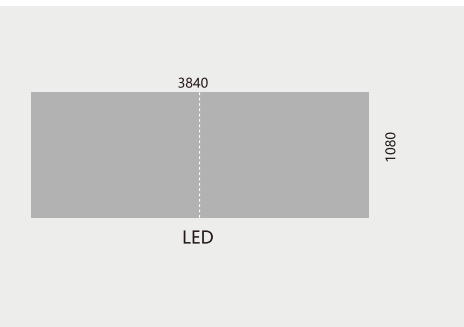
M2

* shown with optional input and output modules-refer specification and options

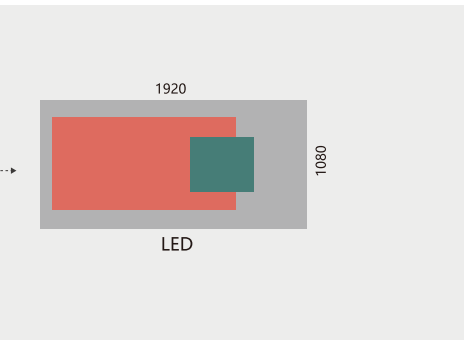
4K2K Splicing Mode

of outputs is spliced to form a 4K x 1K layers can be utilised in addition to a

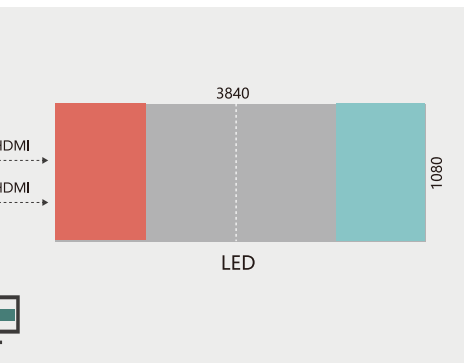
All four outputs are linked and spliced to form at 4K canvas which can be oriented as 4K2K, 8K1K or 2K4K. A single video layer is available. As all the outputs are used for PGM, there is no preset preview available.



PGM outputs spliced.

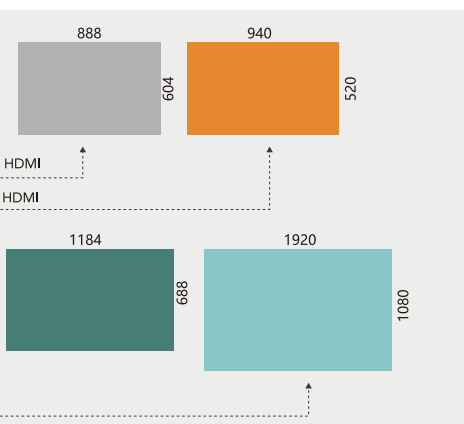


d images and two video layers.

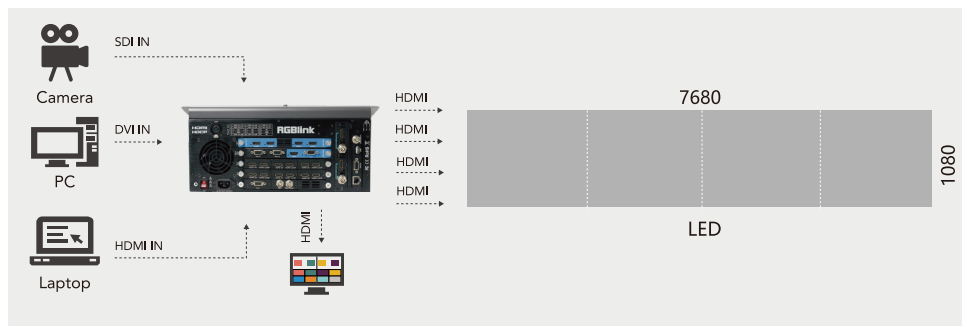


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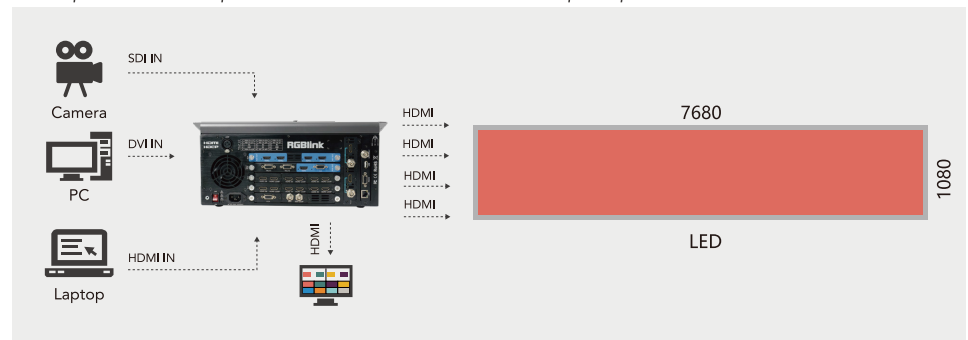
uting signals to HDMI outputs with each



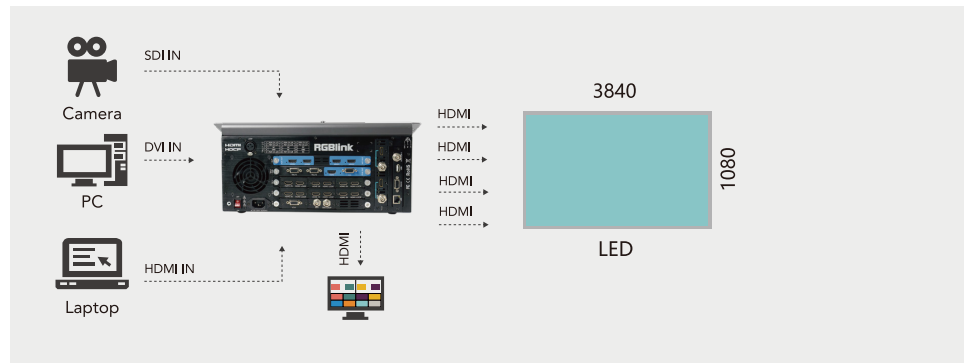
an HDMI output



Example: 8K PGM output canvas with all four HDMI PGM outputs spliced.



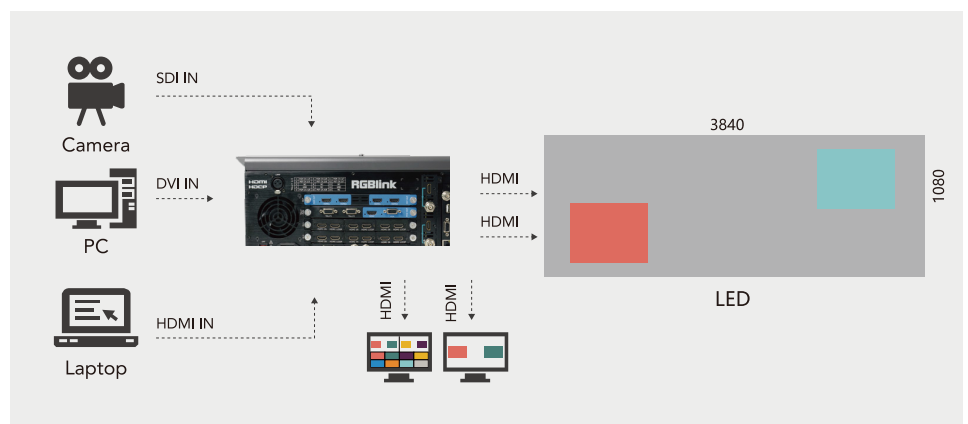
Example: Single video layer scaled and spliced across the outputs in a 8k x 1K arrangement.



Example: 4K split of video layer in conventional 4K UHD arrangement.

Presentation Mode

Presentation Mode supports an additional layer whether set for 2K or 4K1K operations. Presets are configured with the same layouts, with different sources able to be switched in and out of the window/layer containers.



Example: Presentation mode of 4K1K utilising dual foreground layers in addition to a background video layer. Video sources are switched inside the layers with no positional changes

Group Mode

Both output channels are duplicated offering the same output as program and monitor. PIP's are available in this mode with PiP/layer count dependent on output resolution and layer arrangement.



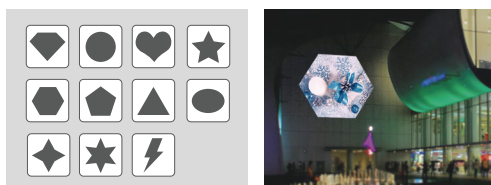
Output Splicing Modes

Split output across dual output channels for 4K x 1K split with PST, or across all four outputs for a videowall output of up to 8K x 1K.



Digital Effects

A video mask may be applied to a foreground video layer. There are wide range of included masks, and in additional users may load custom masks for even more creative control. Other effects available include DSK/Chroma key and blend edge softening effect.



Multiview Preview

M2 features a dedicated preview output via HDMI. This output presents a Multiview including preview of up to eight input sources.

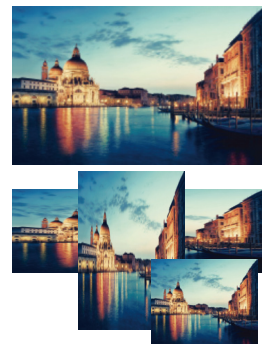


Genlock

Genlock Y in is included enabling synchronised operations of M2 across devices connected to a Genlock generator.

Scale

Set output resolution independently from input resolutions, and scale the output pixel-to-pixel, ideal for direct connection to non-native displays such as LED. Arrange scaled layers in any position.



Crop & Position

Select X and Y offsets along with width and height to select any image part for output.



OSD

Import On Screen Display text messaging overlays in virtually any font or style, and either moving static. M2 provides a dedicated TAKE facility for OSD independently of the video TAKE.

LOGO & STILL

Import and apply a STILL (watermark) or LOGO (channel transitions with TAKE), these layers are additional overlays regardless of video layers in use.

Modular Inputs

A wide range of input options are available with up to nine inputs able to be individually user fitted – modular M2 may be customised to almost any requirement. Input options include HDMI, DVI, SDI, DisplayPort, CVBS and USB 2.0 media.

Output Options

Choose the M2s model which features support two channel SDI/HDMI duplicated outputs – a feature providing capability to connect M2s to other devices such as recorders, streaming devices or additional processing equipment.

Format

M2 accepts all common 2K input formats, with EDID management built in. Output to any 2K format with custom resolutions able to be specified to display requirements.

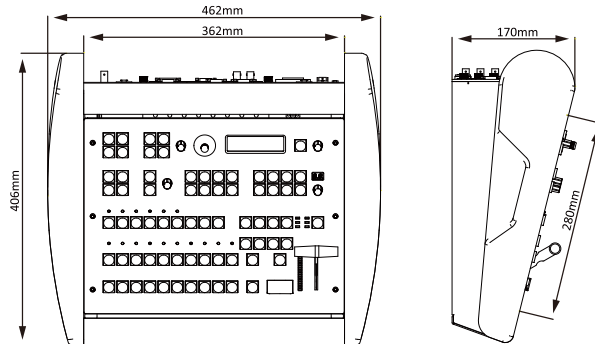
Specification

Connections	Input	3 slots up to 9 inputs			
		Select from	DVI module	1 x DVI-I	
			HDMI module	2 x HDMI-A (1In 1 Loop)	
			DP module	1x DisplayPort	
			SDI module	2 x BNC (1 In 1 Loop)	
			VGA module	1 x VGA	
			CVBS module	2 x BNC (1 In 1 backup)	
		USB Module	2 x USB (1 In 1 backup)		
	Output	M2	M2s		
		Standard with	Standard with		
HDMI		4 x HDMI	HDMI	4 x HDMI	
Preview	Optional SDI Module				
			SDI	2 x BNC	
			HDMI	2 x HDMI	
Communication	HDMI	1 x HDMI			
	VGA	1 x DSUB15			
	Tally	2 x DSUB15			
	LAN	1 x RJ45			
	RS232	1 x DSUB9			
	USB	1 x USB			
Power	Genlock Y	1 x BNC			
		1 x IEC			
Performance	Input Resolution	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		
		DVI 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 1280x720@60 1280x800@60 1280x960@60 1280x1024@60 1400x1050@60 1600x1200@60 1920x1080@60 2048x1152@60		
	VGA	VESA	800x600@60 1024x768@60 1280x720@60 1280x800@60 1280x960@60 1280x1024@60 1400x1050@60 1440x900@60 1600x1200@60		
		CVBS	SMPTE 480i 576i		
	Output Resolution	Select from below or customized			
		HDMI	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		
	Supported Standards	SDI	SMPTE 425M (Level A & B) SMPTE 424M SMPTE 292M SMPTE 259M-C DVB-ASI		
		HDMI	1.3		
DVI		5-DVI			
DisplayPort		1.0			
VGA		UXGA			
USB		2.0			
Features	Preview	PGM PST 8 inputs			
	to be Operation Modes	Standard 2K 4K1K 4K2K Matrix Presentation			
Power	Input Voltage	AC 85V-264V, 50/60Hz			
	Max Power	120W			
Environmental	Temperature	0- 55°C			
	Humidity	10% - 90%			
Physical	Weight	Net(device)	14.6kg		
		Packaged	27kg		
	Dimensions	Net(device)	462mm x 406mm x 170mm		
Packaged		610mm x 580mm x 395mm			

Order Codes

Product Code	Item
210-3072-12-0	M2
210-3072-20-0	M2S
190-0001-02-1	Single VGA Input Module
190-0001-03-1	Single DisplayPort Input Module
190-0001-04-1	Single DVI Input Module
190-0001-06-1	Single HDMI Input Module
190-0001-07-1	Single 3G SDI Input/Loop Module
190-0001-09-1	Single CVBS Input/Backup Module
190-0001-10-1	Single USB Input/Backup Module
980-0001-01-1	EXT Input Interface
190-3072-12-0	HDMI PGM Module for M2
190-3072-13-0	SDI HDMI PGM Module for M2s
190-3072-11-0	PVW Tally Module
930-0001-01-0	Flightcase for M2S
980-0006-01-0	LED Gooseneck Lamp

Dimensions



WEB: www.rgblink.com EMAIL: sales@rgblink.com PHONE: +86 592 5771197
Proudly designed and manufactured in Xiamen Hi Technology Zone, China

