

All in One Mixing and Scaling

M2
3072PRO



All-in-one scaling and mixing just got even better.

Now you choose input options, now you configure output operations, now control transitions from the t-bar, now apply layer masks, now do more.

M2 redefines modern hands on scaling and mixing for any environment.

Totally modular and flexible in configuration, M2 is packed with standard features to impress and present with ease.

RGBlink[®]



Modular Inputs

Each of nine inputs have individual slots for the ultimate in configurability Choose from HDMI, DVI, 3G-SDI, DisplayPort, CVBS, USB media. Additionally there is a 4K Input module.



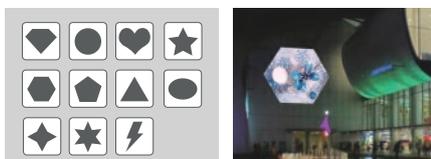
Effects

Foreground layers can make use of digital effects including DSK/Chroma Key and edge blending.



Video Masks

A video mask may be applied to a foreground video layer. There are wide range of included masks, plus users can load custom masks for even more creative control.



Video Layers / PIP

Up to two foreground video layers plus a full screen background are available in standard 2K operations. In dual 2K operations layers are reduced to one foreground plus the background video layer.



Scale Crop & Zoom

Scale pixel for pixel input sources as video layers, or simply re-scale a source to output as a background layer.

On foreground layers crop and zoom to parts of a video source as required, adding masks and effects.

Transitions

Transition from PST to PGM with traditional CUT & FADE or select from one of the built in transition effects, all which can be controlled via the T-Bar.

Group & TAKE

In 2K mode use the innovative group feature to switch video on either or both outputs.

OSD

Configure On Screen Display of text from the M2 software application with positioning and style. TAKE OSD to PGM separately from video, ideal for lyrics or speeches.





Operation Modes

With four outputs, M2 can be configured in 2K, Dual 2K (4K1K) or 4K split modes..

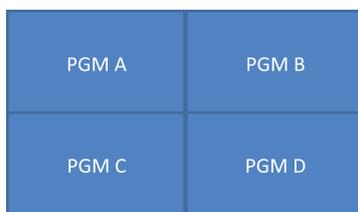
In 2K Mode two HDMI outputs are PGM and two HDMI outputs are PST, output duplicated across the outputs, with the GROUP front panel function controlling TAKE to each PGM.



2K Mode



Dual 2K Mode



4K Split Mode

Desk Lamps

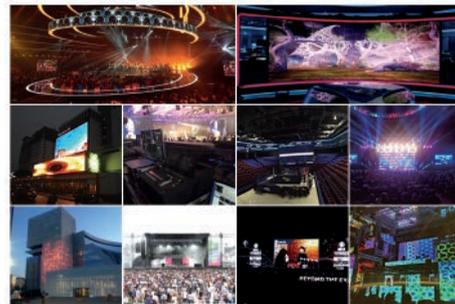
Fit LED desk lamps (sold separately) to M2 to enhance visibility in low light applications. Connection ports are built into M2 rear panel.

Store & Recall

Presets can be stored and recalled with ease.

Dedicated PVW

M2 includes dedicated outputs for source preview. Output on HDMI or VGA a configurable Multiview.



Layers

Apply up to 2 layers from source, plus apply any source as a background layer in 2K mode.

A background and foreground layer can be utilised in Dual 2K (4Kx1K) mode, while in 4K split mode, a single layer is available for continuous display operations

Tally Built-in

Four channel Tally is built right into M2 with standard DSUBB9.

Genlock

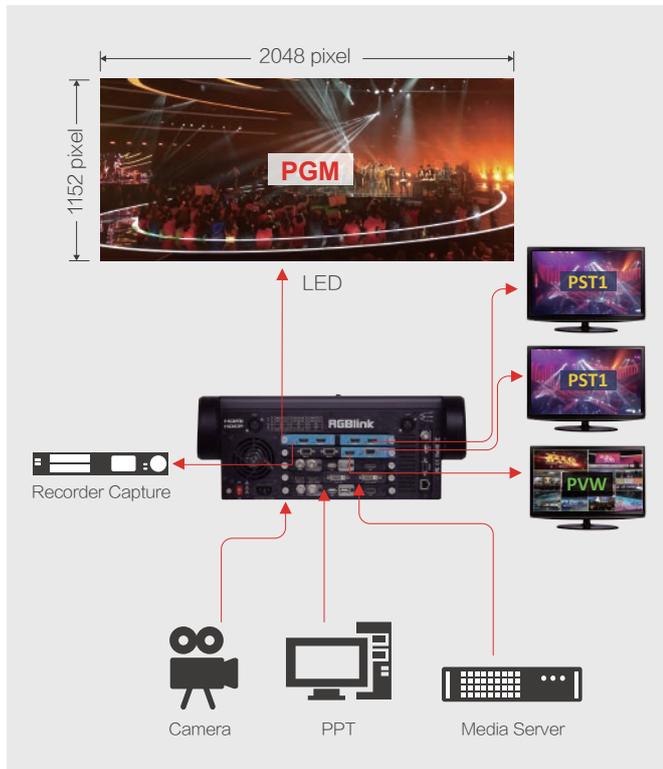
Genlock Y is included enabling synchronised operations across connected video devices.

LOGO & STILL

Separate layers for both LOGO and STILL graphics. Graphics can be stored on board for recall on demand. These custom graphics support masked backgrounds.

Application Examples

Standard 2K Conference



Preset Bank 1



Preset Bank 2



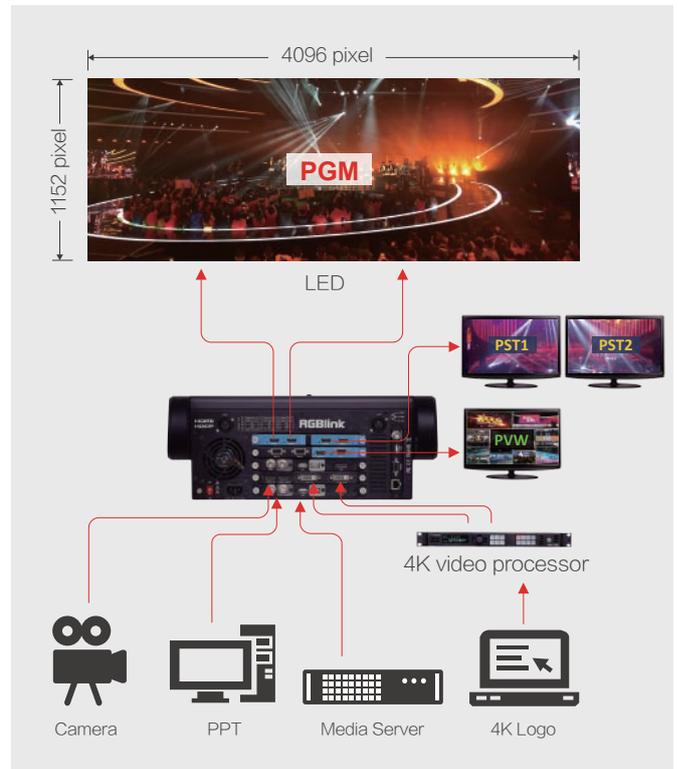
Preset Bank 3



Preset Bank 4



Dual 2K (4K x 1K) Stage Event



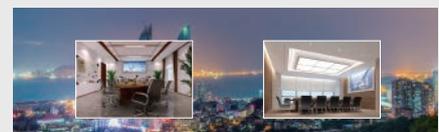
Preset Bank 1



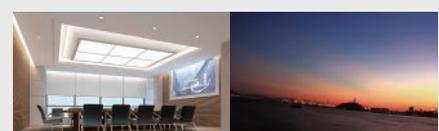
Preset Bank 2



Preset Bank 3



Preset Bank 4

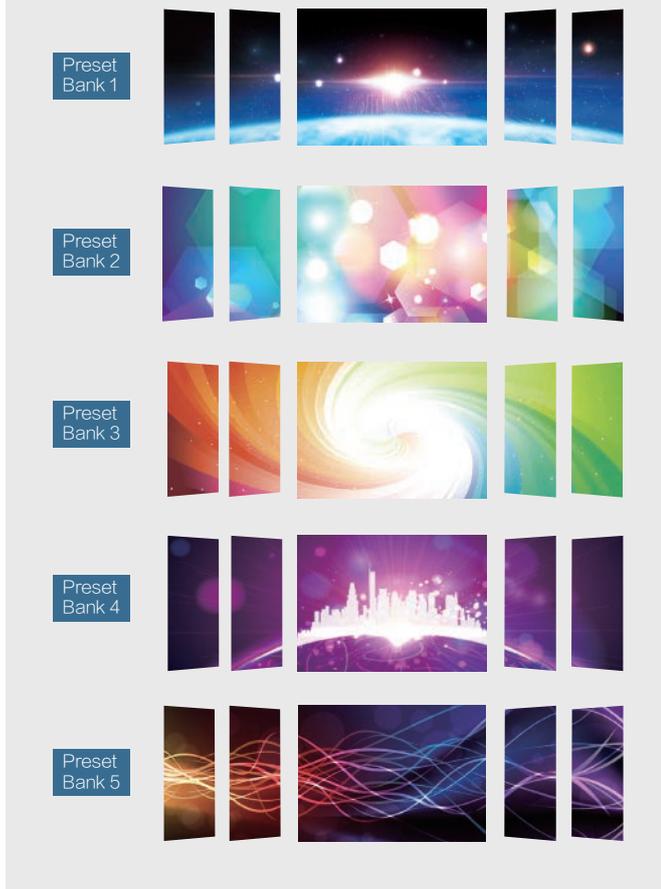
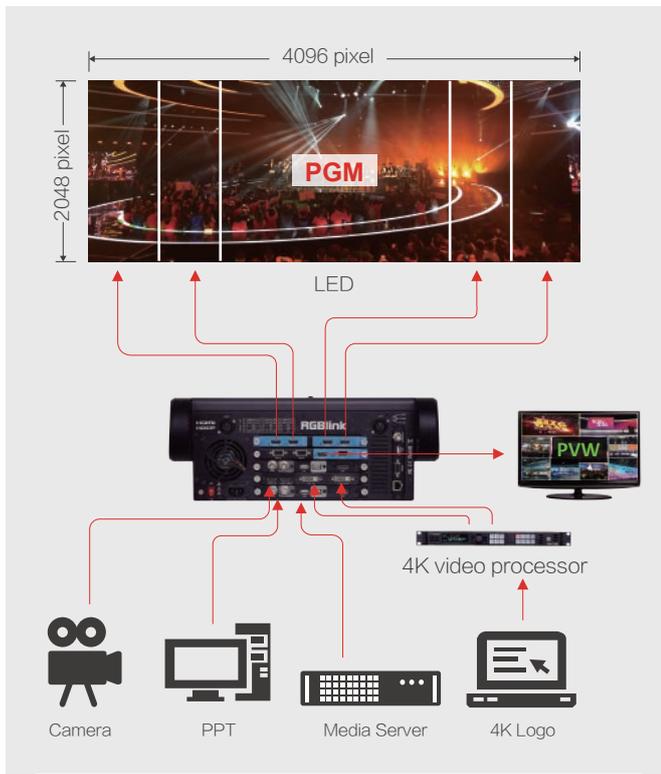


Preset Bank 5

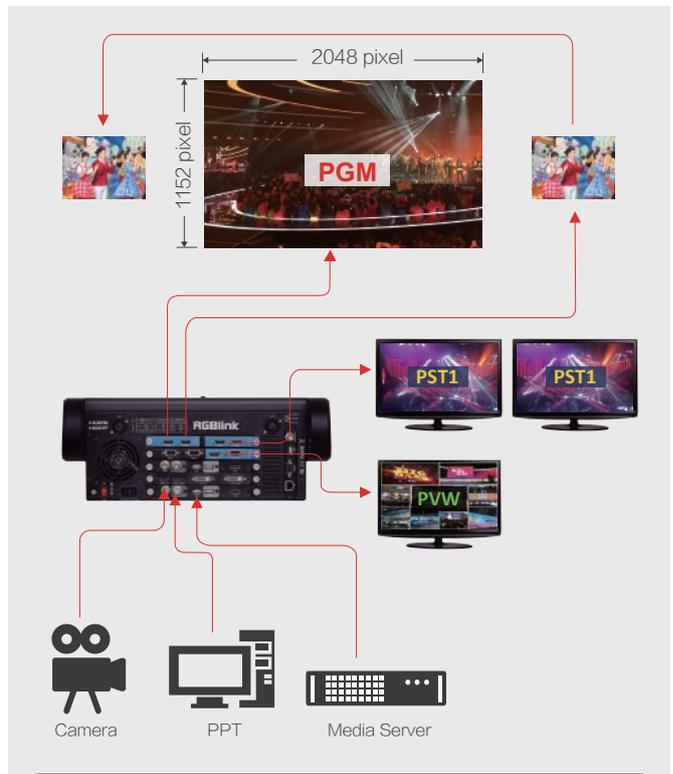


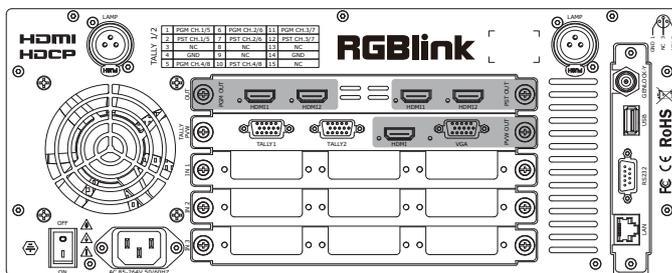
Application Examples

Full 4K Display 4K x 2K



Presentation with iMag





Specifications

| | | |
|---------------------------------------|--|---|
| Connectors | Input Video | Up to 9 inputs - select from Input Module Options |
| Outputs | PGM Output | 2 × HDMI (Modular) |
| | PST Output | 2 × HDMI (Modular) |
| | PVV Output | 1 × HDMI 1 × VGA |
| Communication Ports | Tally | 2 × DSUB-15 |
| | Integration | DSUB-15 |
| | Settings | USB-A |
| | LAN | TCP/IP |
| Input Resolution | DVI | VESA: 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 2048x1152 |
| | HDMI | SMPTE: 480i 576i 720p 1080i 1080p |
| | | VESA: 800x600 1024x768 1280x720 1280x800 1280x960 1280x1024 1400x1050 1600x1200 1920x1080 1920x1200 2048x1152 |
| | SDI | 480i 576i 720p 1080i 1080p 1080psf |
| | VGA | 800x600 1024x768 1280x1024 1600x1200 1920x1080 1920x1200 |
| Refresh Rates | 23.98/24/25/29.97/30/50/59.94/60Hz | |
| Output Resolution | Select from standard set or select user configurable | |
| | SMPTE | 1080p 720p 1280x720 1920x1080 |
| | VESA: | 800x600~ 2560x816 |
| | Refresh Rates | 23.98 24 25 29.97 30 50 59.94 60 |
| *Not all resolutions supported on VGA | | |
| Genlock | 480i 576i 720p@50/59.94 1080i@50/59.94 1080p@50/59.94/60 | |
| Support Standard | SDI | SMPTE 425M (Level A) SMPTE 424M SMPTE 292M SMPTE 259M-C DVB-ASI |
| | VGA | VGA-UXGA |
| | DisplayPort | 1.2 |
| | DVI | 1.0 |
| | HDMI | 1.3 |
| Input Voltage | AC 85~264V 50/60Hz | |
| Max Power | 120W | |
| Temperature | -25°C~55°C | |
| Humidity | 10%~90% | |
| Weight | 10.65kg (Net Weight) 13.25kg (flightcase) | |
| Dimensions | 462mm x 405.7mm x 170.2mm (Device Dimension) | |
| | 497mm x 312mm x 537mm (flightcase) | |

Order Codes

| Product Code | Item |
|---------------|--|
| 210-3072-12-0 | M2 |
| 190-0001-02-1 | VGA Input requires EXT fitted |
| 190-0001-03-1 | Display Port1.1 requires EXT fitted |
| 190-0001-04-1 | DVI Input requires EXT fitted |
| 190-0001-06-1 | HDMI Input/Loop Out requires EXT fitted |
| 190-0001-07-1 | SDI Input/Loop Out requires EXT fitted |
| 190-0001-09-1 | CVBS Input/Backup requires EXT fitted |
| 190-0001-10-1 | USB Input/Backup requires EXT fitted |
| 980-0001-01-3 | EXT3 Input Interface Card (Supports 3 single input modules) |
| 190-3072-12-0 | HDMI (PGM & PST) output module |
| 190-3072-13-0 | SDI (PGM & PST) output module* |
| 290-3072-01-0 | Wings/Sides (Pair) |
| 980-0006-01-0 | LED Gooseneck Lamp (each) |

* Coming soon

Dimensions

