

2020 CATALOGUE



RGBlink[®]

RGBlink[®]

LEADING INNOVATOR AND
MANUFACTURER OF VIDEO
PROCESSING TECHNOLOGIES



WHY RGLINK

LEADING INNOVATION

All Research & Development carried out in house.

Creative solutions to real-world problems

Standards based approach

Member of recognised industry groups

World leading high quality, high performance video processing.

VIDEO FOR THE WORLD

Broadcast

Entertainment

Control Rooms

Conference Rooms

Digital Signage & OOH Advertising

DESIGN & MANUFACTURE

Scalers

Seamless Switches

Matrixes

Video Wall Controllers

Vision Mixers

LED Display Controllers

Signal Converters

GLOBAL PRESENCE

Growing world-wide distribution network

See RGLink at all major industry trade events.

Products in wide adoption in mission critical applications around the world.



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**VIDEO
{PROCESSING}
FOR ANY
SCALE**



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D Series Presentation Processors



D6

For high performance 4K video end-to-end, D6 delivers

Modern presentations demand 4K at refresh rates supporting digital media. D6 builds on the tradition of its broadcast quality predecessors and RGBlink innovations while adding new and enhanced features.

RGBlink modular slots are utilised throughout for the ultimate in flexibility and configurability, with each slot supporting 4K 60fps and signal options including HDMI, DisplayPort and 12G SDI as well as conventional 2K signal options.

D6 has RGBlink XPOSE built right in for interactive and visual configuration in conjunction with the large integrated LCD display. Preview not only directly on board, but also from the dedicated PVW multi-view output.

D6

Modular Design

D6 has four input and four output slots with each slot supporting up to 4K@60. A wide range of options are available including a digital input module with HDMI 2.0 and DisplayPort 1.2, a 12G-SDI module that supports multiple 3G-SDI inputs too.

HDR Support

Signals with High Dynamic Range are supported for processing via the processor with D6 having a high bandwidth 60Gbps backplane and wide gamut 12bit grey level processing.

Multi Layers Switching & Scaling

At the heart of presentation switching is true seamless switching of mixed signal types and resolutions. D6 scales and synchronises all video sources for output, and for switching operations seamless switches between preset and program. RGBlink pixel-to-pixel scaling engine presents pixel perfect video to non-native or creative displays as well as providing the multi-PIP/layer/window capabilities.

Multi-Mode Operations

Select the operation mode suitable for the application from conventional Preview mode with seamless alpha cross fades, to Presentation Modes for the maximum layers and seamlessly fade-in-fade-out mixing, and videowall splicing modes. A range of presets allow quick and easy configuration to requirement.

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.



Background Video

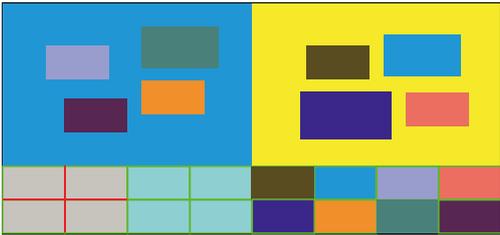
Select a source to be a background for the program output. Background is converted and scaled automatically to the full output resolution. Background video is ideal for Presentation Mode where many layers are utilised offering a canvas for fade-out-fade-in to occur against for maximum effect.

Genlock

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

Dedicated Multi-View Preview

A built in preview feature allows review and configuration of video presets before TAKE to program. The multi-view is automatically configured for operation mode. Preview may be monitored from the front panel or viewed externally via the 2K preview output port independent of program output resolutions.



Connect and Control

Remotely configure and control D6 from XPOSE on Windows or macOS and via LAN or USB. RGBlink T Series control consoles may also be used for remote control, and for integrators RGBlink OpenAPI offers even further possibilities



Chroma Key/DSK

Apply a key from presets or specify to requirement for foreground keying against the background layer.



Image Enhancement

A full range of image enhancement controls are available on board including Noise Reduction, Gamma control, Hue, Tone, Color Temperature and more.

Low Latency

Full hardware based video processing offers industry leading low cost latency across the processor.

Control Local and Remote

The D6 front panel features large tactile and individually illuminated buttons as well as integral display. Uniquely the D6 front panel can be removed either for security or located and connected remotely increasing operational flexibility.



4K 8

* D6 shown with optional modules fitted as example configuration. Refer to Specifications and Guide

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LED Control Solutions

UMS Series
Media Solutions

RMS Series
Monitoring Solutions

MSP Series
Video Tools

MSP Series
Extenders

MSP Series
Signal Convertors

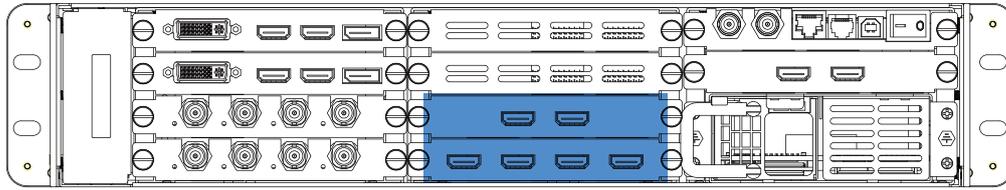
MSP Series
Signal Distributors

Accessories

Software

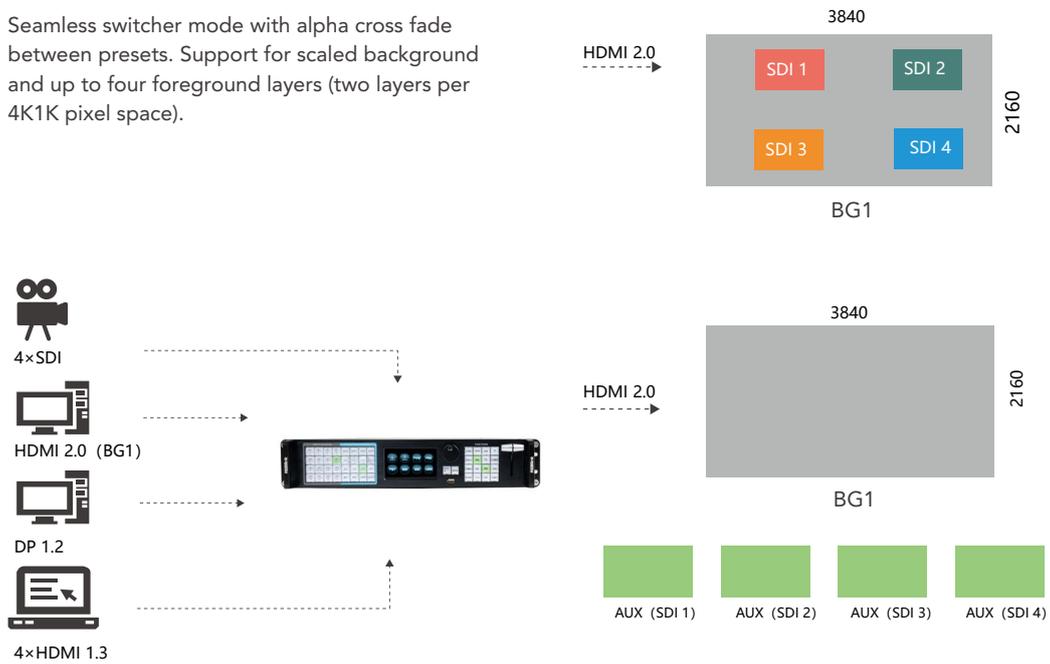
Reference

Contact

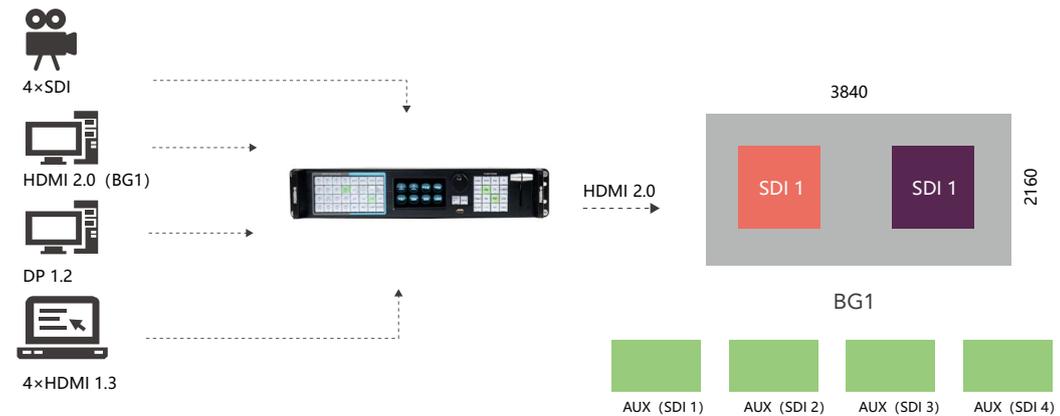


4K2K Preview/Switcher Mode

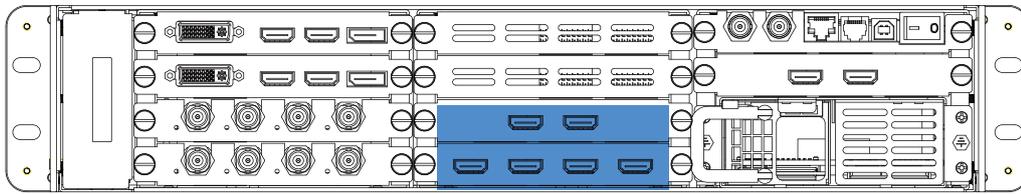
Seamless switcher mode with alpha cross fade between presets. Support for scaled background and up to four foreground layers (two layers per 4K1K pixel space).



Example: 4K HDMI as 4K background video display. Other sources utilised as auxiliary (AUX) displays for relay or iMag.

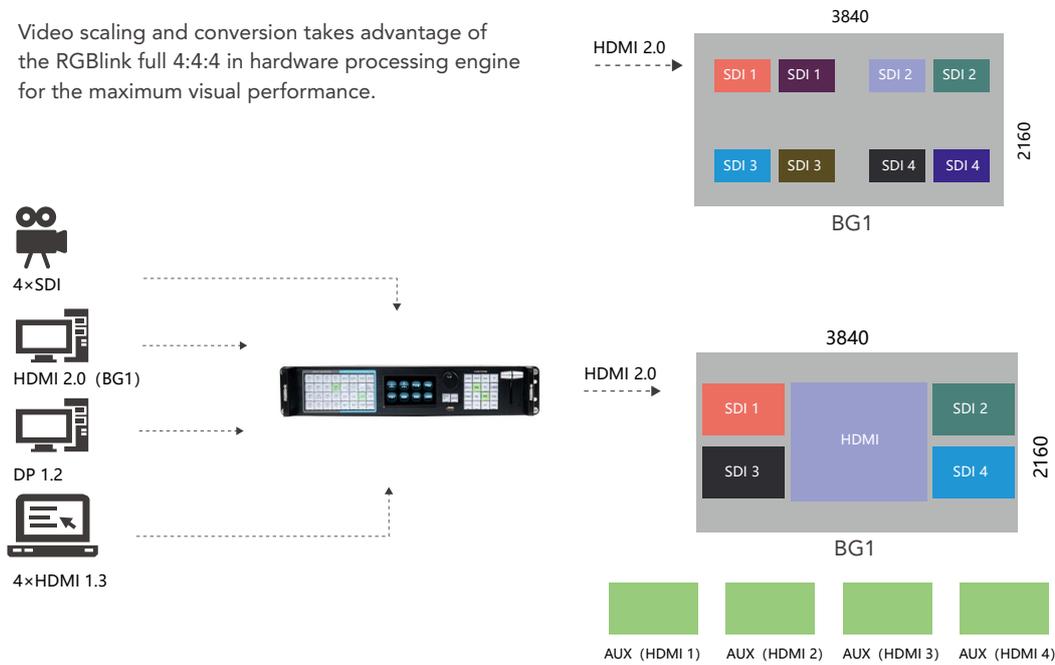


Example: 4K background video display. Two foreground layers (as 2 layers each bridging 1K vertical), switched seamlessly, AUX relay outputs.

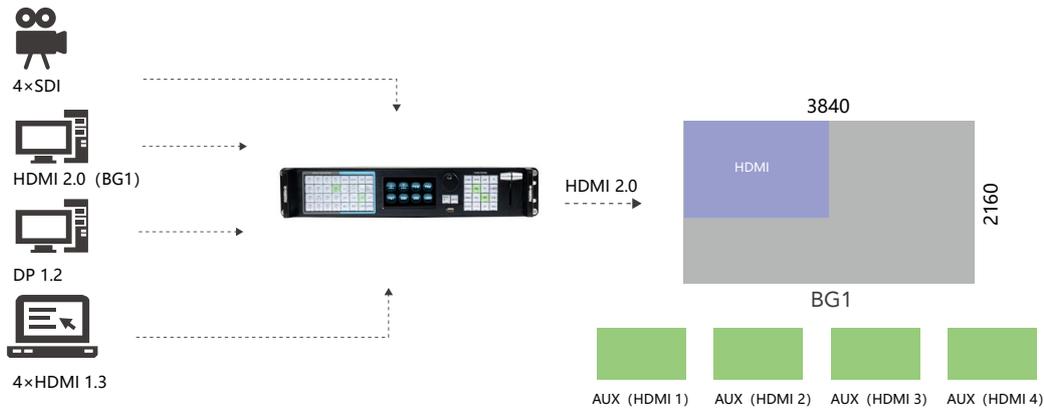


4K2K Presentation Mode

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



Example: 4K HDMI as 4K background video display. Five sources arranged as foreground layers (using six layers). Seamless fade-out-fade-in switching against background. Auxiliary (AUX) for relay or iMag.



Example: 4K background video. Foreground layer (as 2 layers bridging 1K vertical Seamless fade-out-fade-in switching). AUX relay/iMag outputs.

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D4

The standard in multi-format 4K presentation switching

D4 is a very flexible video switching and scaling solution for 4K signals featuring multiple output modes, a comprehensive on board feature set and acclaimed RGBlink modular design.

Truly multi-signal, D4 may be fitted with a wide range of input signals including HDMI 2.0m DisplayPort 1.2 and 12G-SDI along with conventional 2K signals.

In the tradition of previous generation 2K solutions signals can be converted, scaled, transcoded to 4K output. Dual channel 4K HDMI 2.0 output are standard while these two channels may be duplicated for output via the option slot .

There is full 4:4:4 colour space,12 bit on board processing and support for HDR signals to meet the highest performance standards.

EDID management is built in and D4 is also HDCP 2.X compliant.

Across a range of applications requiring scan conversion, scaling or seamless presentation switching, D4 is ideal for high performance and broadcast workloads.

04

Features

- Resolution up to 4K2K@60 or 8K1K@60
- Full YUV 4:4:4 Color Space
- 12bit internal processing
- Low latency
- HDMI 2.0, DP1.2 In & Out
- UHD and HDR compliant
- HDCP 2.X compliant
- 4K EDID Management
- 4K test pattern
- SmartSlot™ input and output modules
- H.264 Preview streaming
- Genlock In & Loop
- Multiple 4K input seamless switching
- 4K Picture in Picture (4K PIP)
- Multi-layer presentation switching
- Cut & variable time alpha fade
- Mirror/Flip
- Rotation including 90°, 180°, 270°
- Support for multiple device cascade



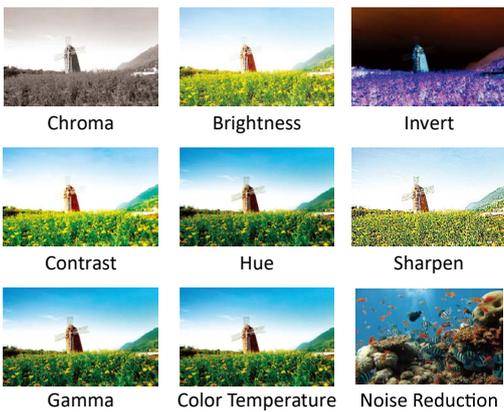
HDR

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



Visual Enhancements

Apply a range of visual effects and enhancements with fine grain controls.



Crop & Position

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



Format

D4 accepts all common 2K & 4K input formats, with EDID management built in. Output to any 2K or 4K format with custom resolutions able to be specified to down stream requirements.

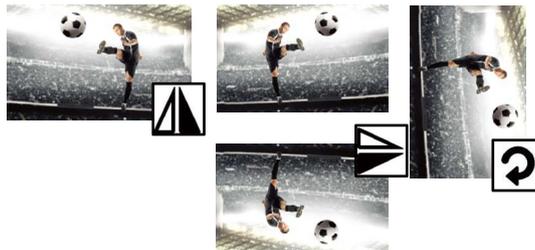
Scale

Scale output(s) to any size within the selected resolution range.



Rotation & Flip

Output may be rotated in 90 degree increments, or flipped/mirrored horizontally or vertically.



Output Splicing

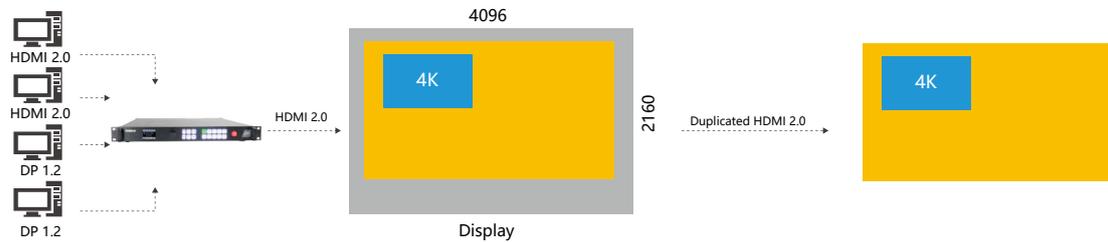
Split output across the dual output channels providing an 8K x 2K display canvas and seamless pixel to pixel hard edge blend.



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Standard Mode

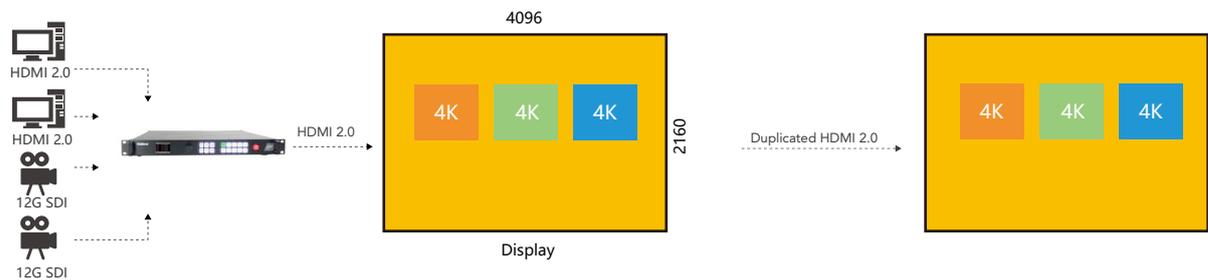
Both output channels are duplicated offering the same output as program and monitor. PIP's are available in this mode with PIP/layer count dependent on output resolution and layer arrangement.



Example: 4K input scaled across a 4K output with 4K PIP source overlaid

Presentation Mode

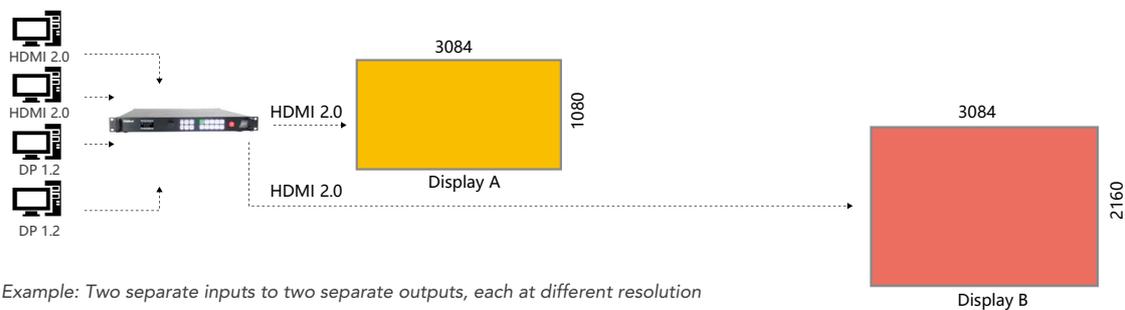
Up to three 4K inputs may be used as PIPs over a 4K background video source.



Example: Three 4K source as PIP, 1 4K source as background

Independent (Dual 4K) Mode

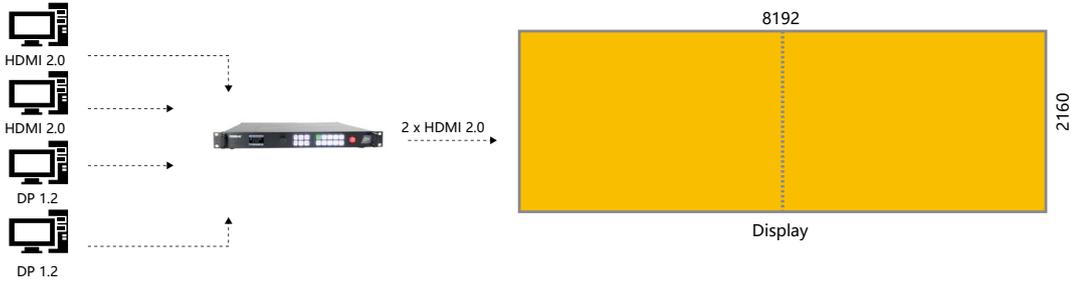
Each of output channels separately configured for image, resolution, scale and other attributes.



Example: Two separate inputs to two separate outputs, each at different resolution

Splicing Mode

Output channels are utilised to stitch or splice input source(s) to create large seamless fully synchronised display surfaces.



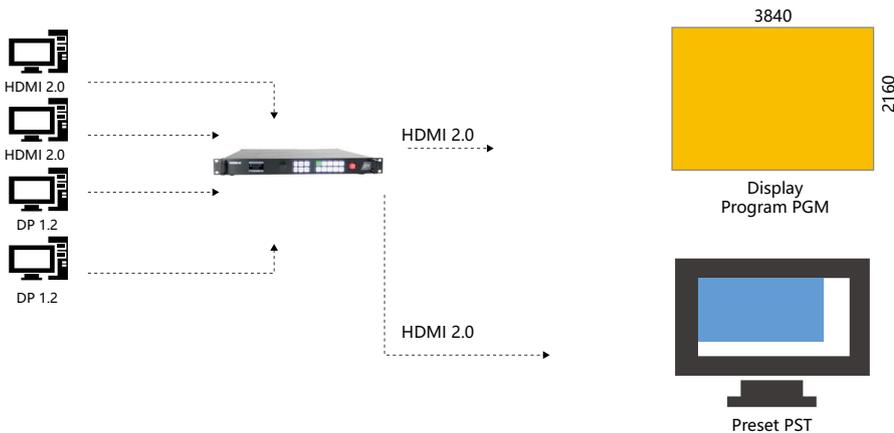
Example: 4K input scaled across 8K x 2K display area using two outputs, forming panoramic or wide screen display



Example: 4K input scaled across 4K x 4K display area using two outputs, forming a seamless portrait display of

Switcher (Preview) Mode

Both outputs are set to the same resolution, whether 2K or 4K, with one channel serving as program (PGM), and the other channel as preset preview (PST) for full seamless alpha switching between preset and programme. All adjustment made on PST prior to switching to live PGM display output.



Example: One HDMI source on PGM output with a second HDMI source scaled and configured via output as PST

*shown with optional input and output modules – refer specification and options. 90deg rotation not available at launch

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VSP 628PRO

Standard in 2K presentation switching

VSP628pro is the standard in 2K presentation switching, with unrivalled features and performance. VSP628pro is sophisticated yet easy to use. With multiple output modes, this video processor is a very flexible solution across a range of applications whether for scaling, presentation switching, 2K and 4K distribution or broadcast.

True two channel design enables this power with five operation modes - Standard (PIP) mode, Switcher mode, Dual 2K mode, Split mode and MinDelay - Truly an All-in-One solution, VSP628pro accepts a wide range of input signals in a huge array of formats. Inputs can be converted, scaled, transcoded to standard DVI/HDMI outputs or output to optional ports including 3G-SDI, HDBaseT and FiberPort.

VSP628pro packs in a host of professional features including broadcasting Genlock and EDID management as standard. For superior visual performance, on board processing is 12bit allow fine control for Noise Reduction, Brightness, Contrast, and Saturation from the RGBlink rendering engine.

Stand-out RGBlink modularity features further add to flexibility with a range of input options including additional 3G-SDI ports (there are already two 3G-SDI), and USB direct media amongst the popular choices.

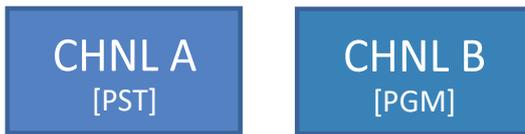
VSP628pro supports output of modern 2K high resolution standards up to 2560x1600@60Hz. In addition to a wide range of standard output resolutions, VSP628pro offers entirely user customisable output resolutions for the ultimate in control.



Multi Mode Operations

Switcher Mode

The DVI performs as Program (PGM) while the HDMI operates as Preview (PST). Resolution settings are identical for both the DVI and HDMI. Input selection is made on Preview along with pixel-to-pixel scaling. Use the dedicated TAKE button to seamlessly switch between PST and PGM.



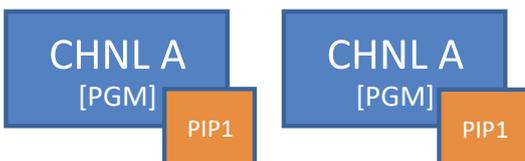
Split Mode

Provides a wizard style interface, allowing distribution of a source across the two output channels, and even supporting cascaded split across multiple processors.



Standard Mode

Both the DVI and HDMI output identical signals and resolutions – the HDMI performing as monitor. PIP in can be set in any size or position as can the primary layer.



Min Delay Mode

Input is scaled directly to output resolution, bypassing the pixel-to-pixel scaling engine and enhancements with less than 1 frame delay. Ideal for resolution switching applications



Dual 2K Mode

The DVI and HDMI outputs are independent with each output able to have resolution individually set. Dual 2K mode is ideal for distributing 4K inputs and for outputting to LED and video walls of different sizes.



Genlock

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

EDID Management

Each compatible input can be individually configured for EDID with read and save operations.





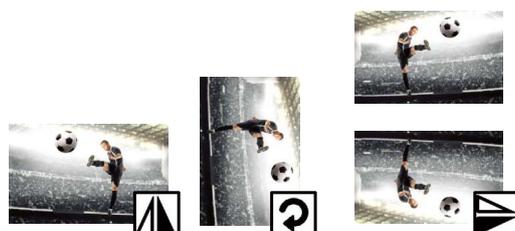
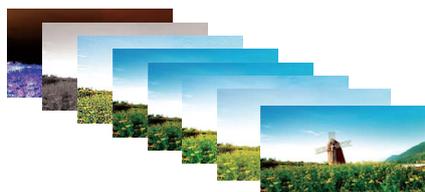
Position, Scale, Crop & Zoom

The foreground layers (or PIP's) can be positioned, scaled pixel-by-pixel, cropped and zoomed freely.



Visual Effects

Apply a range of built-in visual effects and enhancements. Including Chroma, Brightness, Contrast, Hue, Gamma, Colour Temperature, Inversion, Sharpness and Noise Reduction.



Format

VSP628pro supports all common formats up to 2560x1600 @ 60Hz. Additionally VSP628pro allows users to specify any custom output resolution within this range.

DSK/Chroma Key

On PIP, DSK or a Chroma Key can be applied, ideal for logos, overlays or masking.



Output Expansion

The output slot supports either a standard LED Sender Card (which can then be controlled directly from on board VSP628pro) or an output option – either the two channel SDI module or single channel SDI/Fiber/HDBaseT module.



Expand Inputs

VSP628pro has an input slot, with a wide range of options available including SDI, HDMI, DVI, VGA, CVBS, USB media as well as 4K for DisplayPort/HDMI.



Connect and Control

Remotely configure and control VSP628pro from XPOSE on Windows or macOS via LAN or USB. Install the app for iOS or Android to for even more convenient portable control.



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13:37:59





System

Network Map	7	ON
Lock	00	00
57C	1500	80.00

IP: 192.168.0.00.001

X¹⁴
VENUS

POWER USB

X¹⁴
VENUS

RGBlink



160KK Mega Pixel Multi-Window Video Display Processing. When size matters.

For entire video display systems, X14 brings a new level of efficiency, capability and control. Supporting up to massive 52 inputs and up to 40 outputs, X14 truly brings together large video systems for system-in-box approaches to video presentation and integration. Modular throughout RGBlink technologies support user fit input and output signals with each slot configurable up to 4K/UHD resolutions at full frame rates. With so many inputs, windowing and layering capabilities have been dramatically enhanced over earlier models and the output canvas is up to 80 Mega pixels. Dedicated preview functionality is available both remotely via XPOSE and on the inbuilt LCD display. XPOSE is embedded directly into X14 too, providing not just monitoring but extensive control capabilities. X14 takes advanced video processing and scaling to a whole new level.



Modular Design

X14 has 52 input slots which may be configured with universal quad modules. Similarly for output universal quad modules maybe fitted to any of the ten slots for 40 2K output, 10 4K outputs or a combinations of both. A wide range of signal options are available including digital input and output modules, SDI up to 12G and conventional signal types.

Multi Role, Multi Application

Select the operation mode suitable for the application from continuous video wall mode to presentation mode and routing modes. There is also processing capabilities for 3D and mixed device application.

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.



Preview On Board

With a dedicated integrated LCD display for preview, sources and output video can be shown directly from the front panel, providing monitoring beyond simply signal status.

Local XPOSE® Controls

RGBlink XPOSE is built right in, and with a touch screen interface a wide set of functionality can be undertaken without the need to connect external control. Features including preset switching and systems settings are available.

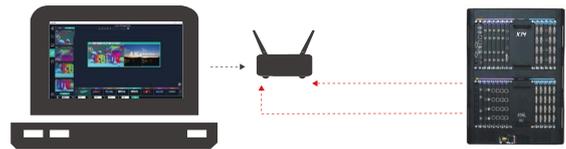
HDR Support

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



Streaming preview

Manage and operate on XPOSE interface to monitor presets and preview all input source.



System info

Display model number and version of input and output modules installed.

Touch panel display

XPOSE software pre-installed for device control; Preview all

Power & Load

Illuminated recessed power button. USB input for settings/ scripts and other

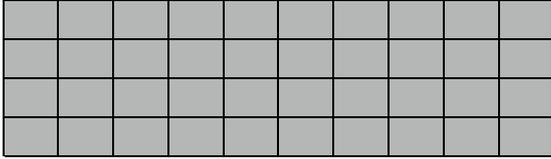
media.



*X14 shown with optional modules as an example configuration. Refer Product Codes and Specifications for details.

160KK Mega Pixel Capacity

Arrange outputs on a virtual canvas to create very large display surfaces or multiple display arranged as completed synchronised system all at high 60Hz digital refresh.



Rotate & Flip

Rotate outputs in 90deg increments, flip, invert. X14 also supports RGBlink ARO™ modules for advanced 1 degree rotation and edge



Chroma Key/DSK

Apply a key from presets or specify to requirement for foreground keying against the background layer.



4K / UHD Support

Select from digital input and output options including HDMI and DisplayPort.

4K 60

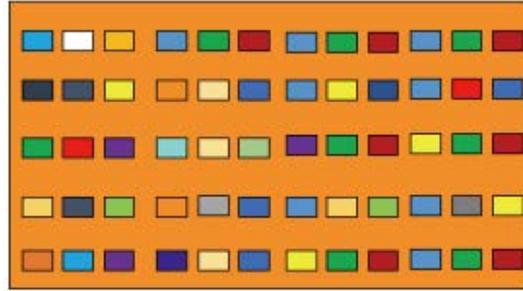
Genlock

Genlock Y In is provided along allowing X14 to be synchronised with a Genlock generator and other devices, with a Genlock Y loop out also built in.



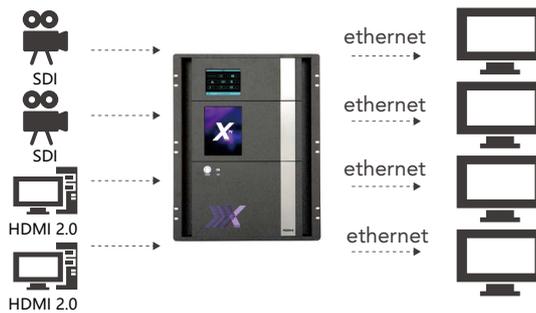
Windowing & Video Layers

Display up to 160 video layers from any combinations of signals or sources. All video presented to output is fully synchronised and converted for output across the output channels.



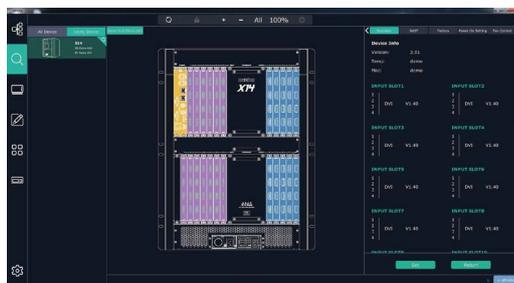
Video Over IP

X14 includes options for video over ethernet standards including HDBaseT modules allowing direct connection to displays without conversion.



Connect and Control

Unleash powerful X14 capabilities with remote configuration and control via the XPOSE platform. XPOSE embedded available on board for localised control, with XPOSE for Windows or macOS.



High Availability Power

X14 is supplied with a 1200W server grade, self contained modular power supply which may be completed with a redundant power supply enabling hot-swap capabilities for mission critical applications.

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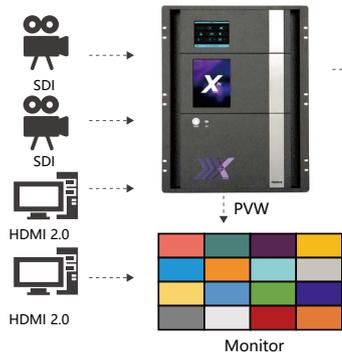
Accessories

Software

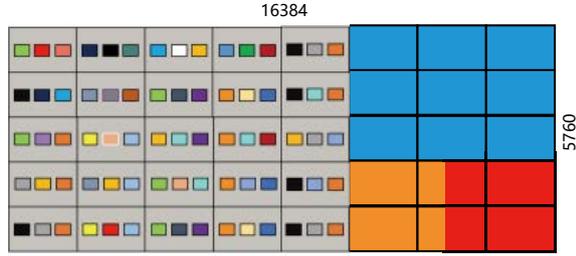
Reference

Contact

Monitoring/Control Room

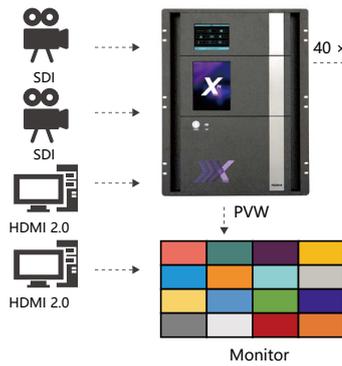


40 x DVI

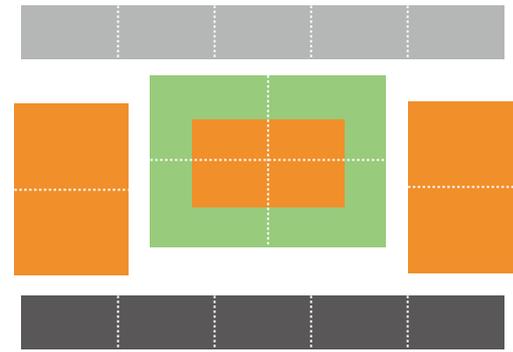


8K display canvas with multiple layers on each 2K display output. Presets can be switched seamlessly with specific sources brought to larger view on demand. Any source preview dedicated PVW

Live Events & Broadcast

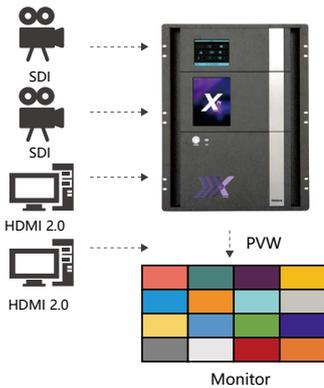


40 x DVI / 20x HDMI 2.0

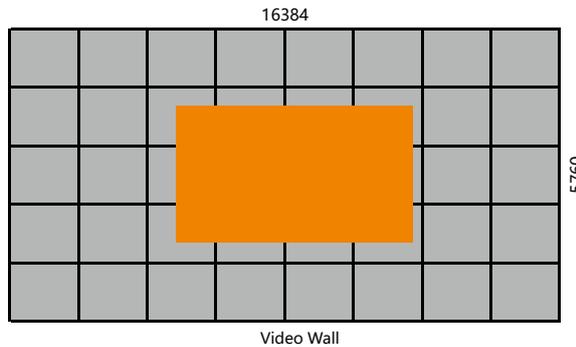


LED display system with a main stage display and iMag either side of main display, plus additional displays above the stage and on the floor. Each display can be managed

Integration/Installation

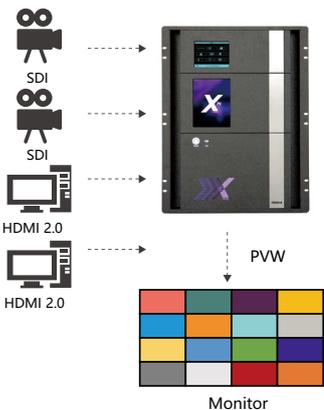


40 x DVI

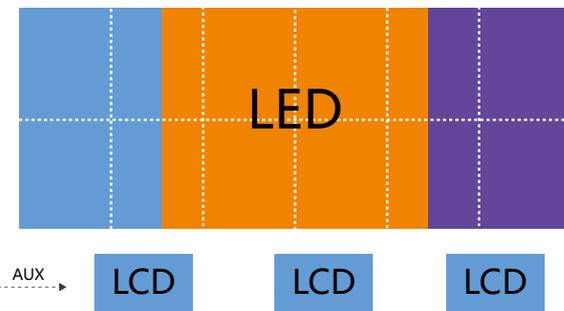


Video Wall

LED display installation with background video graphics across a 16K canvas, with



40 x DVI

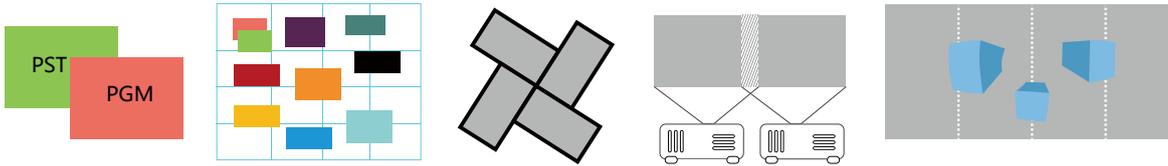


Stage presentation with main LED display divided into sections using video layers, relay LCD monitors allow viewing of content by people further from the stage or in backstage areas. All

*Shown with option modules fitted. Refer to specifications and guides

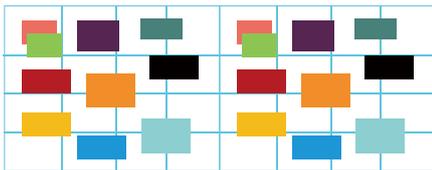
Video Display as a System

X14 is unique adaptable to multi-role systems with the capacity for both a large number of inputs and outputs. The range of user-fit modules allows X14 to be customised on demand and brings together usually diverse display solutions as a signal system reducing complexity, reducing the need for ancillary equipment and enhancing overall system performance. Multiple operation modes allow X14 to be deployed in a wide range of applications.



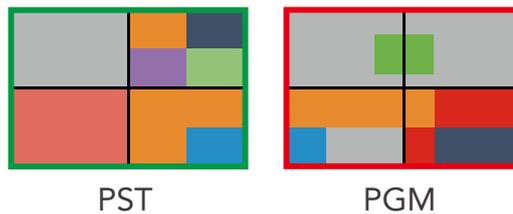
Video Wall Processor

Configure X14 as video wall splicing processor with up to 40 2K outputs connected or up to 4K outputs. Outputs may be arranged in pixel space as one or more displays with video mapped across the pixel space. Switch between presets seamlessly.



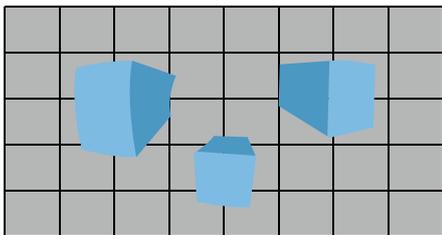
Presentation Switch

Set X14 in presentation mode to configure the outputs as for full preview (PST) and program (PGM) operations with multiple layers across outputs. Seamlessly switch between presets.



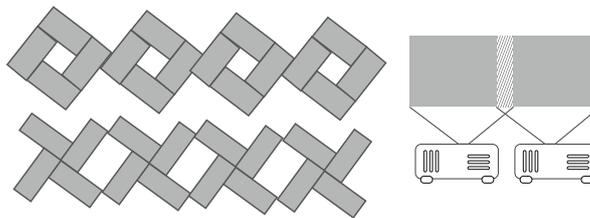
3D Processing

X14 includes 3D processing capabilities for common industry standards and allows seamless switching between 3D signals. Display massive 3D videos across up to 80 Mega pixel canvases.



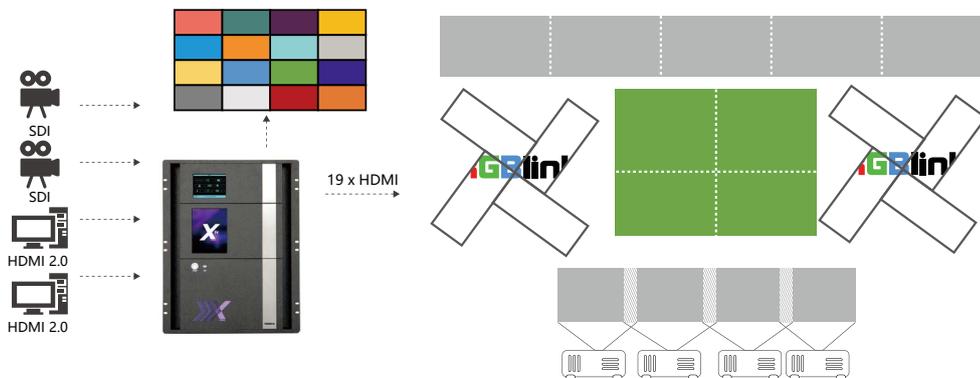
ARO™ Advanced Rotation & Blending

Fit RGBlink ARO output modules to take advantage of on-processor fine rotation and positioning capabilities or variable edge blending. All processing undertaken on the



Mixed Display Systems

Content a diverse range of displays to X14 for full synchronised display making use of use common sources of any type.



- D Series
Digital Processors
- X Series**
Universal Processors
- M Series
Mixing & Scaling
- FLEXpro Series
Videowall Control
- FLEX Series
Mixed Signal Matrix
- 1 Series
Switcher/Scalers
- T Series
Control Consoles
- LED Series
LED Control Solutions
- UMS Series
Media Solutions
- RMS Series
Monitoring Solutions
- MSP Series
Video Tools
- MSP Series
Extenders
- MSP Series
Signal Convertors
- MSP Series
Signal Distributors
- Accessories
- Software
- Reference
- Contact





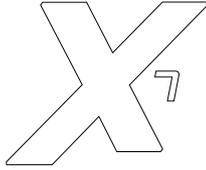
Large scale video wall processing

Bring together entire video display systems with X7. With up to 32 outputs and a 64 mega pixel capacity, X7 is equally at home delivering fully synchronised video to large video walls or multiple video walls and creative displays of all types.

X7 is a true multi-window / multi-layer video wall solution. Connect and configure input sources just once while routing, scaling positioning and presenting across multiple outputs or display areas.

Modular throughout X7 supports RGBlink SmartSlot™ technology that offers a wide range of native signal choices including 4K options for both input and output and supporting hot-swap of modules.

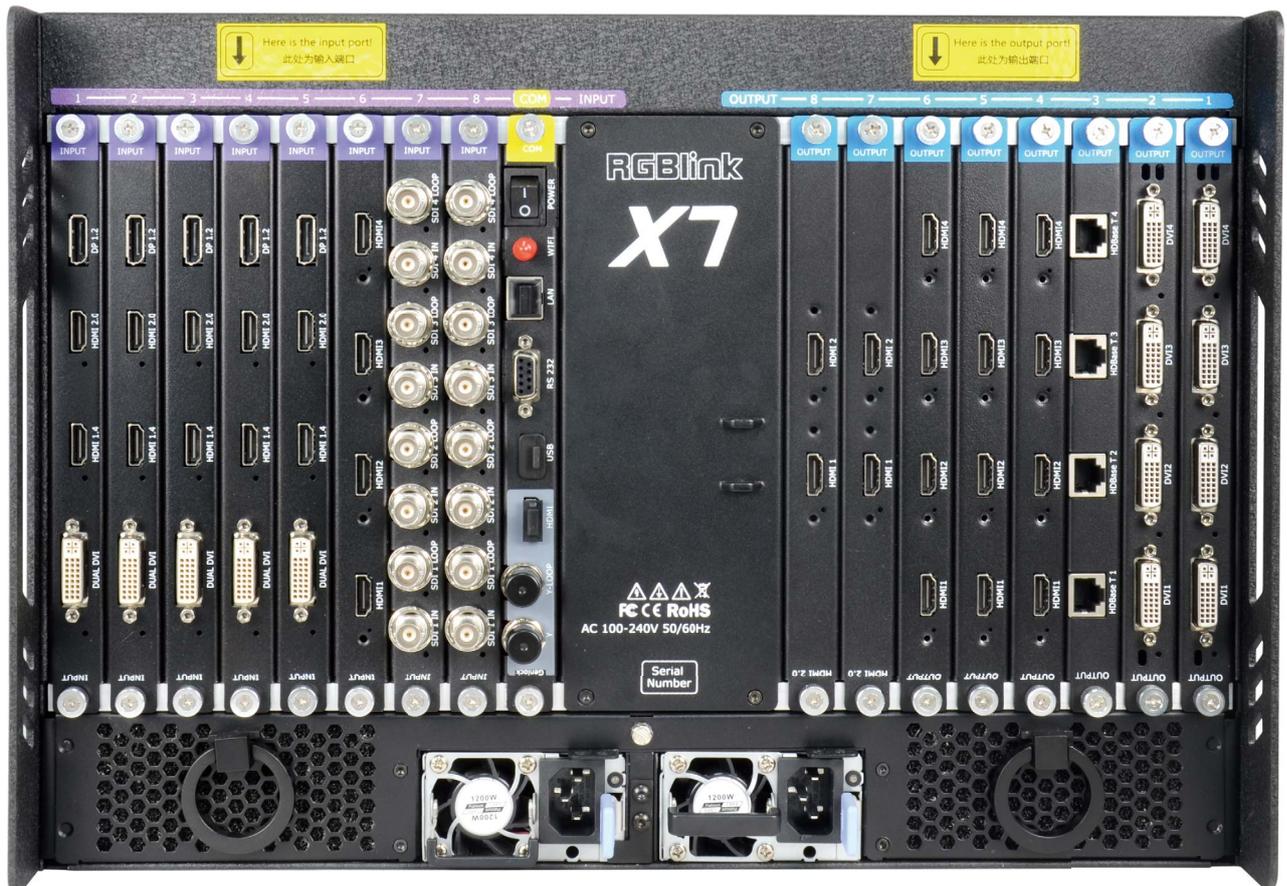
Configure X7 on demand via RGBlink XPOSE software to create independent output pixel spaces for each physical display system regardless of type and arrangement. All processing and setting are on board the hardware X7 platform for high performance low latency video.



Features

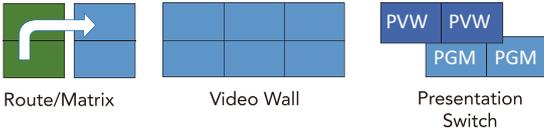
- Fully modular design
- Wide range of input signal options
- Fit up to eight 4K@60 outputs
- Fit up to 32 2K ARO advanced rotation outputs
- 64 mega pixel capacity
- Multi-mode operations
- LOGO Capture, DSK and OSD on board
- Genlock In & Digital Reference support
- Support for redundant power supply
- Store and recall presets on board
- Save settings and presets offline

4K@60



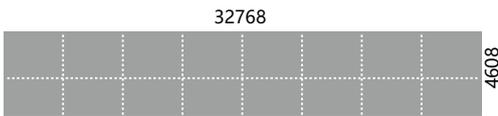
Multi-Mode Operations

X7 outputs can be configured in one or multiple modes, with pixel space allocated to each mode as a virtual container. Operation modes include Matrix, Video Wall, Presentation, 3D, Rotation and Blending.



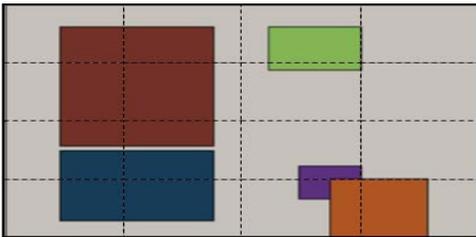
128 Mega Pixel Splicing

Fit up to 32 2k or 16 4k outputs to create continuous video walls in any arrangement with all video fully synchronised to the outputs, pixel-to-pixel. Use with displays including LED, LCD and projection.



Multi-Layer | Multi-Window

Output video layers or windows scaled and positioned across one or more outputs. A fully configured X7 can support up to 64 layers (or 256 layers if all outputs are H.264 modules).



Remote Control

Control X7 from RGBlink XPOSE, XPOSE mobile or T Series consoles. For integrators, control via RGBlink OpenAPI is also available.

The XPOSE control platform provides intuitive rich controls unlocking and enabling powerful video control scenarios on the X7 hardware processing platform.



Store Settings

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

UHD 4K 60Hz Signal Support

RGBlink 4K input and output modules may be used with X7. 4K@60 Digital inputs include HDMI 2.0 and DisplayPort 1.2, and 12G SDI is also available. 4K @60 outputs include HDMI 2.0 and 12G SDI. X7 supports HDCP 2.2.



Full Color Space

Internal high bandwidth processing maximises quality and with 4:4:4 color space support.



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.



Modular by Design

All X7 inputs and outputs are modular and hot swappable. Arranged in slots, each slot supporting a 4K signal or four 2K signals. A wide range of signal options available allowing native connections.

Configure Outputs

Set the output resolution and scale to multiple display sizes, take advantage of outputs arranged in multiple container/display areas for flexible multi-display use.

Rotate with Precision

Fit ARO™ Advanced Rotation Output modules to orient video in support of physically rotated and creativity arranged displays. ARO outputs may be rotated in 1-degree increments and positioned in pixel space. Use zoom to support display of differing density.

Synchronise

X7 includes both Genlock and HDMI Digital Reference inputs, allowing a variety of synchronisation scenarios.

LOGO/Frame Capture

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

Preview Sources

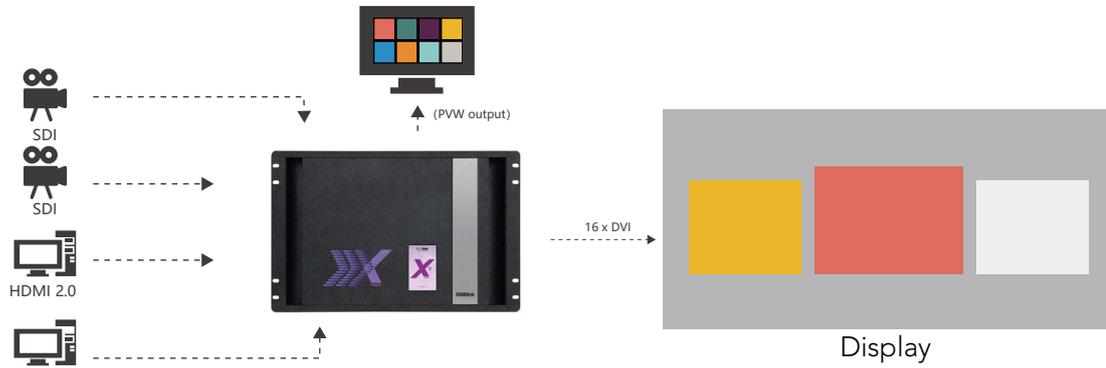
Install up to four PVW source preview modules in any of the X7's output slots to stream video sources to XPOSE or third-party clients. Connect the display via DVI for local multi-view source monitoring.



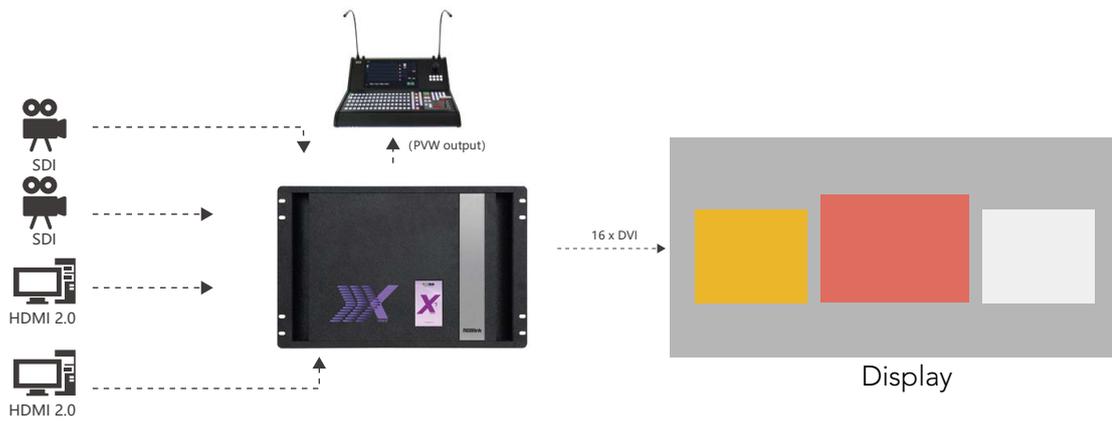
- D Series Digital Processors
- X Series Universal Processors
- M Series Mixing & Scaling
- FLEXpro Series Videowall Control
- FLEX Series Mixed Signal Matrix
- 1 Series Switcher/Scalers
- T Series Control Consoles
- LED Series LED Control Solutions
- UMS Series Media Solutions
- RMS Series Monitoring Solutions
- MSP Series Video Tools
- MSP Series Extenders
- MSP Series Signal Convertors
- MSP Series Signal Distributors
- Accessories
- Software
- Reference
- Contact

Presentation Switching

Preview Presets and TAKE to output with seamless switching.



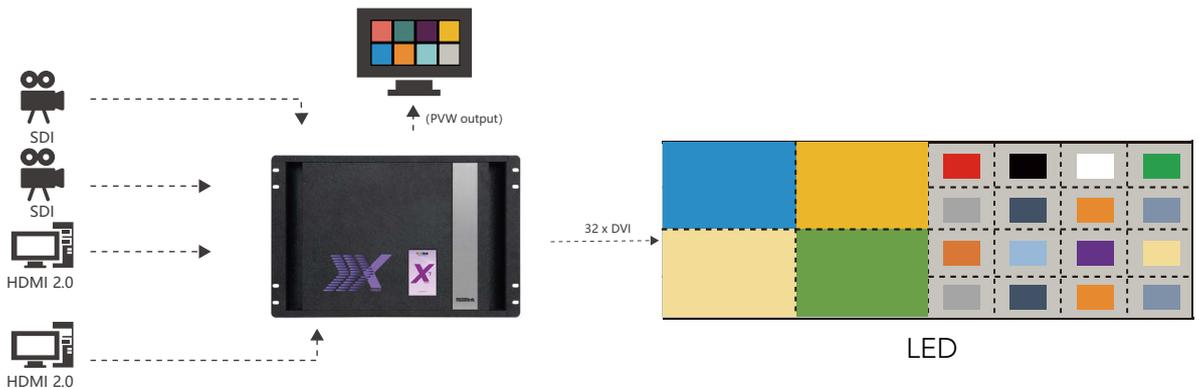
Example: Use XPOSE to control X7, preview Presets (PST) from the software, switch/TAKE on demand to PGM.



Example: Use T1 to control X7, preview Presets (PST) from the software, switch/TAKE on demand to PGM.

Video Wall Control

Output to up to 32 displays for a continuous video wall with multiple video layers arranged across the output display area.



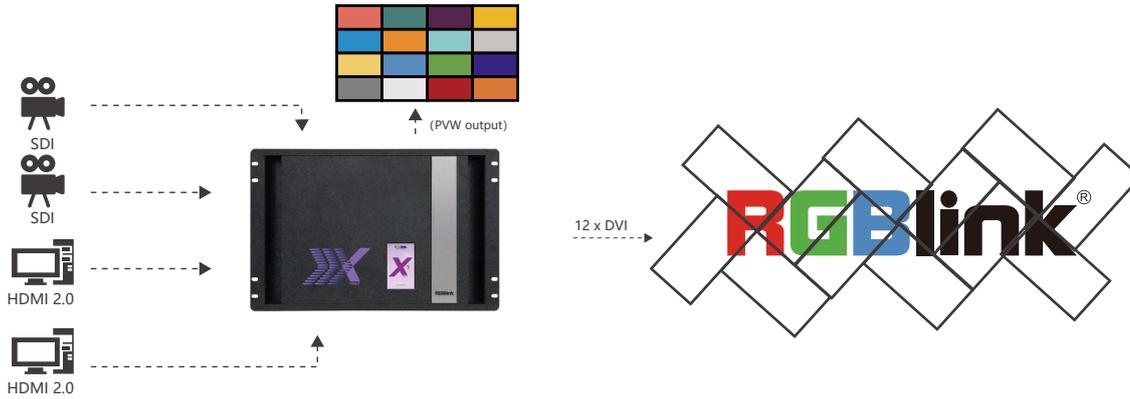
Example: 32 displays arranged as a video wall for control room monitoring application.

* Processor shown with optional modules fitted – refer specification and manuals for details

** Some features may require firmware updates and XPOSE 2.0 for configuration.

ARO Rotation

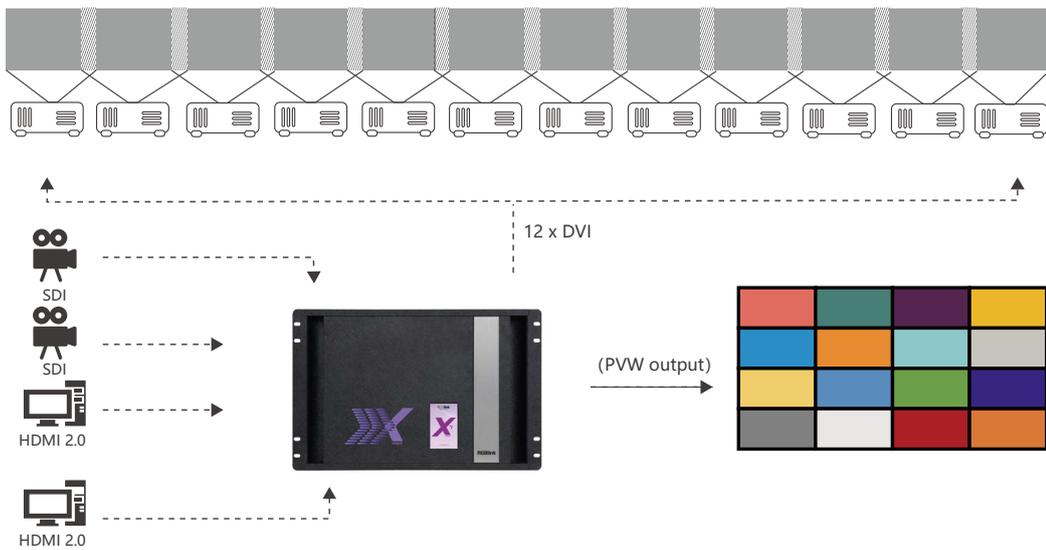
Output to creatively arranged displays with each output positioned arranged and scaled separately.



Example: X7 fitted with three ARO output modules providing 12 2K outputs.

ARO Blending

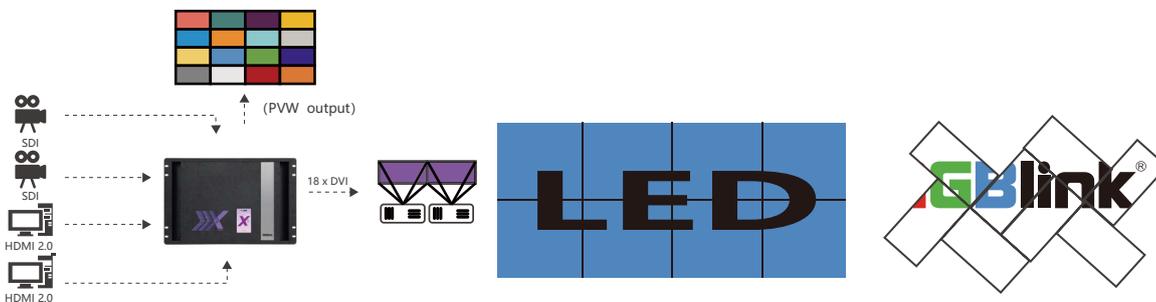
Output to projectors with variable edge blending to create large seamless display surfaces arranged in anyway.



Example: X7 fitted with three ARO output modules providing 12 2K outputs with Edge Blending configured from XPOSE.

Display Systems

Make use of multiple system models to configure and control combinations of displays as a single system.



Example: X7 with a combination of ARO modules for blending and rotation and 2K DVI output modules connected to LED display.

- D Series
Digital Processors
- X Series**
Universal Processors
- M Series
Mixing & Scaling
- FLEXpro Series
Videowall Control
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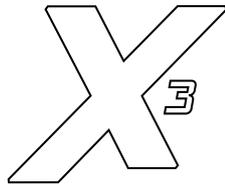


High performance video wall processing

X3 universal processors are 16x8 scalable videowall control solutions that are dynamically configurable to meet the demands of high-resolution modern displays. The high performance 12bit 4:4:4 processing engine delivers video scaled pixel-to-pixel to multiple outputs that are seamlessly spliced and fully synchronised. A dedicated, high-speed video/graphic bus maintains real-time performance even regardless of the signal load or type.

Inputs and outputs are entirely modular, arranged in slots, upto sixteen inputs and up to eight outputs may be fitted. RGBlink SmartSlot modules for input include 4K@60 Digital (HDMI 2.0 & DisplayPort 1.2), 12G-SDI, a wide range of 2K module options, as well as inputs for H.264 and USB Media.

While X3 is ideal for videowall continuous display environments, the processor is truly multi-functional with operation modes including Videowall, Presentation, Matrix, 3D and more.



Features

- Fully modular design
- Wide range of input signal options
- Fit up to two 4K@60 outputs
- Fit up to 8 2K ARO advanced rotation outputs
- 18 mega pixel capacity
- Multiple operation modes
- LOGO Capture, DSK and OSD on board
- Genlock In & Digital Reference support
- Support for redundant power supply
- Store and recall presets on board
- Save settings and presets offline
- PVW multi-viewer option



UHD 4K 60Hz Signal Support

RGBlink 4K input and output modules may be fitted to X3. HDMI 2.0 and DisplayPort 1.2 4K@60 digital inputs and 12G-SDI may be used in both X3 and X3p models.

Preview Sources

Fit up to two PVW source preview modules to the dedicated slot on an X3p to stream video sources to XPOSE or 3rd party clients. Connect a display via DVI for a local multi-view source monitoring.



LOGO/Frame Capture

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

OSD

Overlay text in almost any font and style, with or without key. On Screen Display text is stored on board.

DSK / Chroma Key

Remove a background from a foreground layer using a preset or manually select color values.

Modular by Design

All inputs and outputs on the X3 & X3p are modular and hot swappable. Arranged in slots, each slot supporting a 4K signal or four 2K signals. A wide range of signal options available allowing native connections.

Multi-Mode Operations

X3 outputs can be configured for a range of operation modes including Matrix, Video Wall, Presentation, 3D, Rotation and Blending.

Multi-Layer | Multi-Window

Output video from multiple sources as layers or windows scaled and positioned across the output pixel space.

Configure Outputs

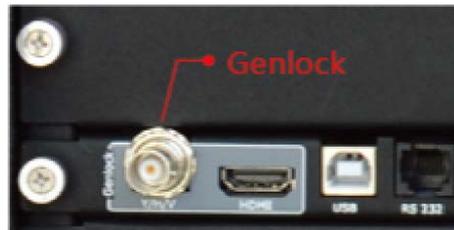
Set the output resolution and scale to present video pixel-to-pixel on displays of all sizes.

Rotate with Precision

In addition to 90-degree rotation and Fit ARO™ Advanced Rotation Output modules to orient video in support of physically rotated and creativity arranged displays. ARO outputs may be rotated in 1-degree increments and positioned in pixel space. Use zoom to support display of differing density.

Synchronise

Genlock and HDMI Digital Reference inputs are provided on the X3 allowing synchronisation with other devices in the system.



Remote Control

Control from RGBlink XPOSE, XPOSE mobile or T Series consoles. RGBlink OpenAPI allows X3 to be integrated and controlled from almost any system.



D Series
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MSP Series
Signal Distributors

Accessories

Software

Reference

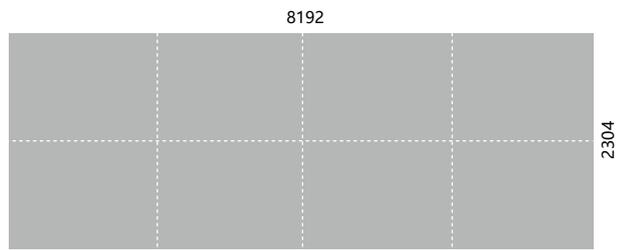
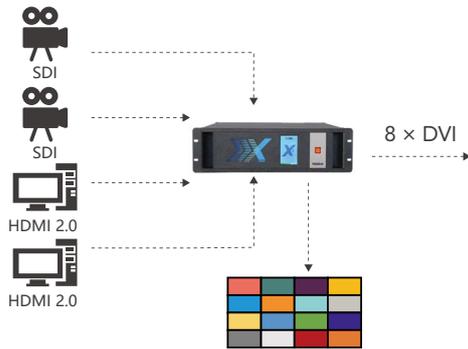
Contact

* X3p model shown with optional modules fitted. PVW module supported only in X3p model.

** 4K modules not supported in X3e model. Refer specification and manuals for details.

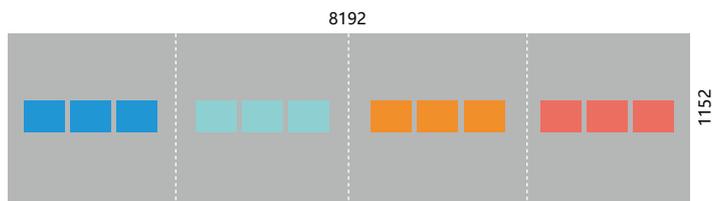
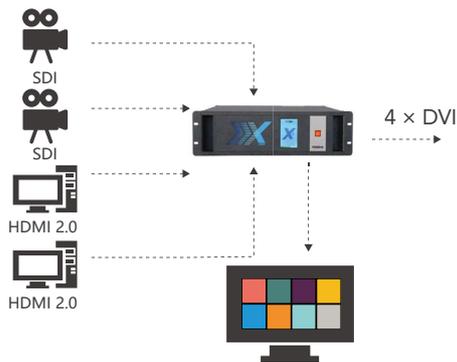
Video Wall

Splice outputs up to 8K x 2K resolutions. Seamlessly switch between presets.



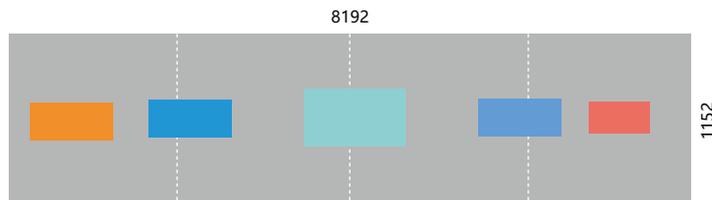
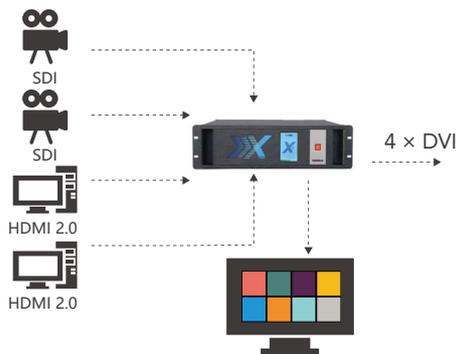
Video Wall

Example: Two Quad 2K DVI modules fitted to X3 with output pixel space arranged as a single continuous display.



Video Wall

Example: Two Quad 2K DVI modules fitted to X3 with output to four 2K displays. Multiple layers/ windows applied over the background video.

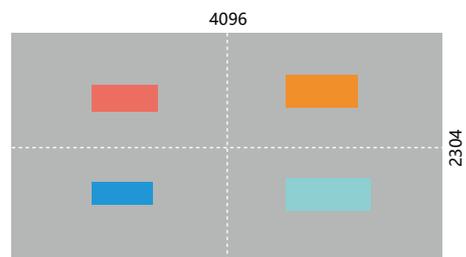
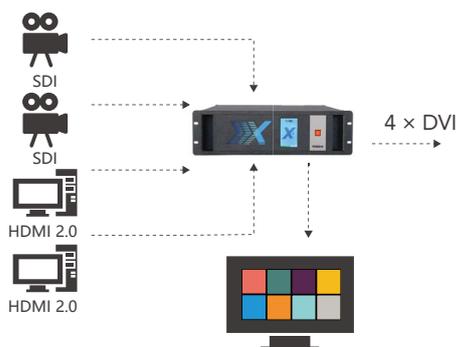


Video Wall

Example: Two Quad 2K DVI modules fitted to X3 with output to four 2K displays. Multiple layers/ windows applied over the background video and across spliced outputs.

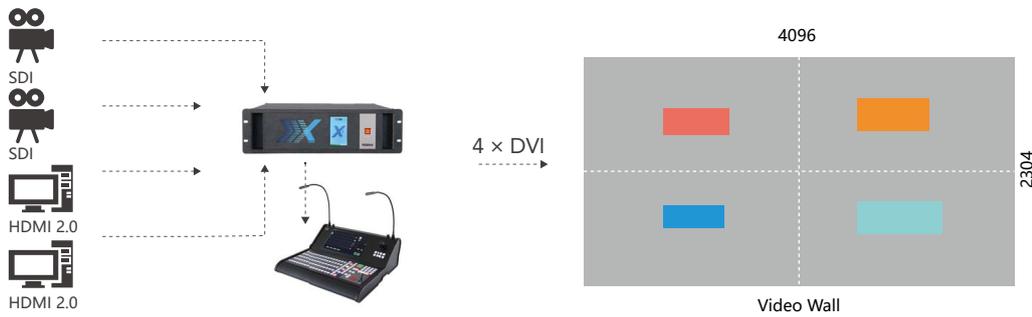
Preview/Presentation

Set X3 in Preview mode with 4 outputs configured for full PST monitoring and seamless switching to 4 another 4 outputs configured for live PGM



Video Wall

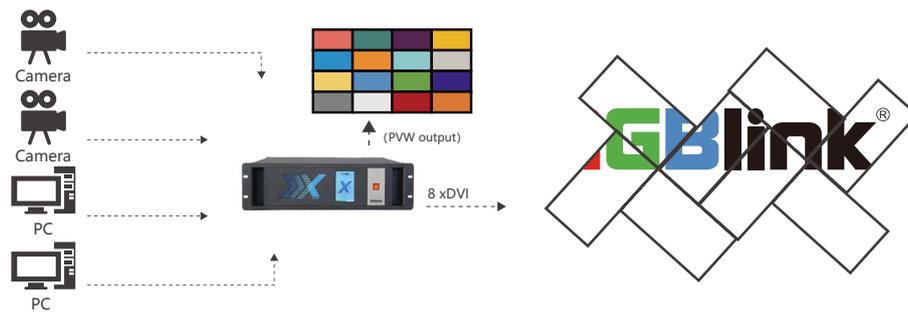
Example: Use XPOSE to control X3, preview Presets (PST) from the software, switch/TAKE on demand to PGM



Example: Use T1 to control X3, preview Presets (PST) from the software, switch/TAKE on demand to PGM

ARO Rotation

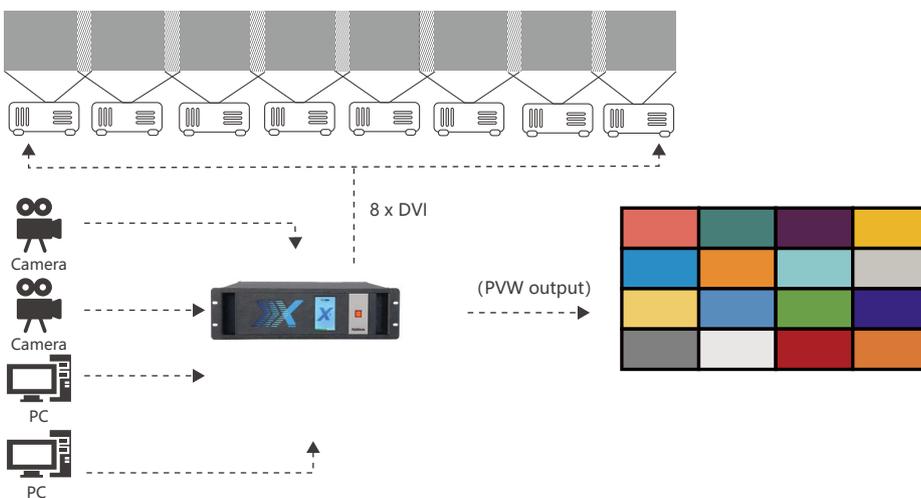
Output to creatively arranged displays with each output positioned arranged and scaled separately.



Example: X3 fitted with two ARO output modules providing 8 2K outputs with rotation configured from XPOSE.

ARO Blending

Output to projectors with variable edge blending to create large seamless display surfaces arranged in anyway.



Example: X3 fitted with two ARO output modules providing 8 2K outputs with Edge Blending configured from XPOSE.

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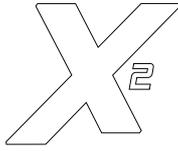
Modular Video Wall Control

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.



Features

- 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

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.



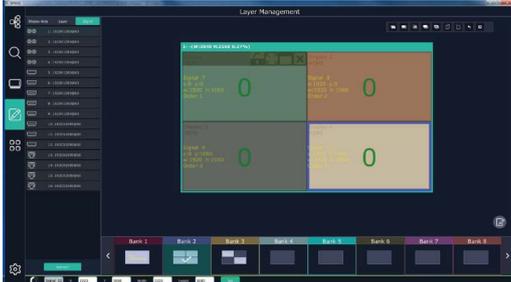
Rotate

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



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.



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

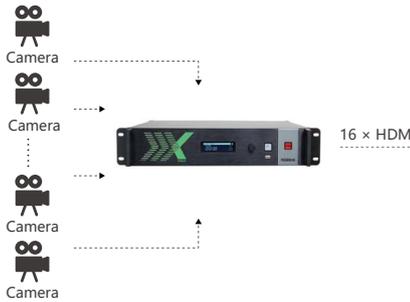
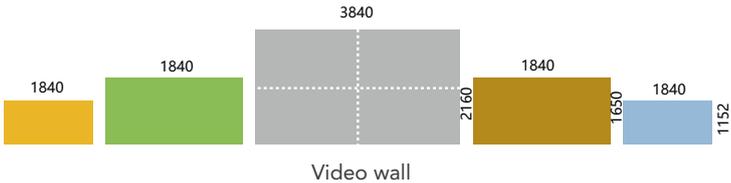
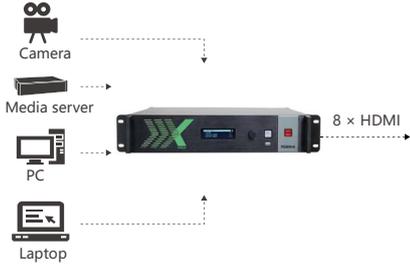
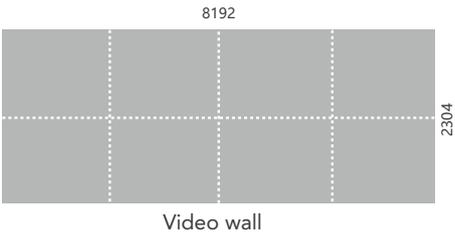
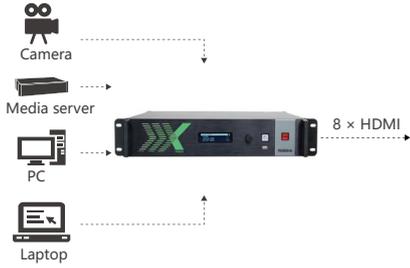
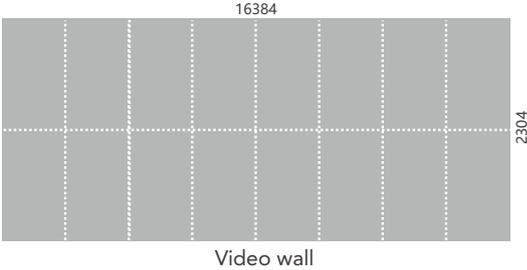
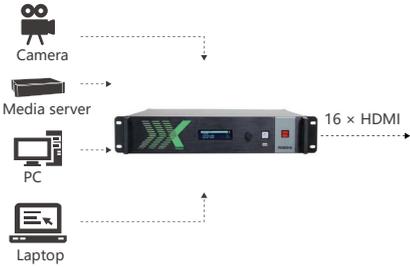
Set the output resolution and scale to multiple display sizes, whether for LCD, projection or LED.



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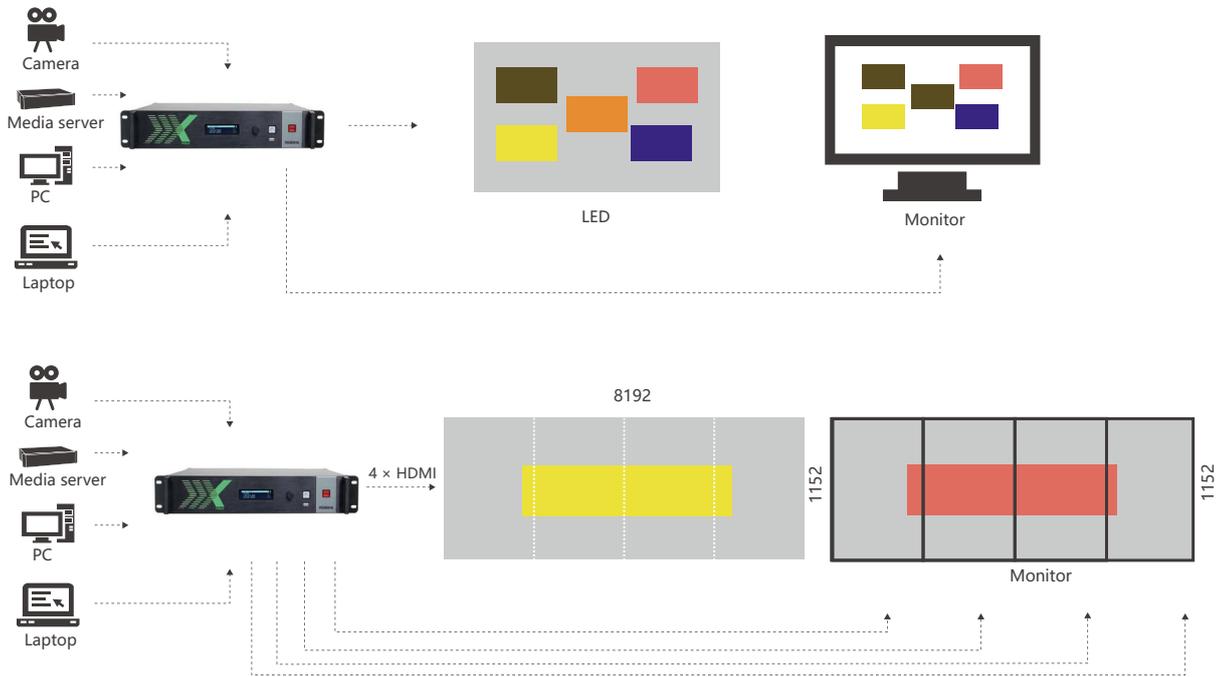
Videowall Mode

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



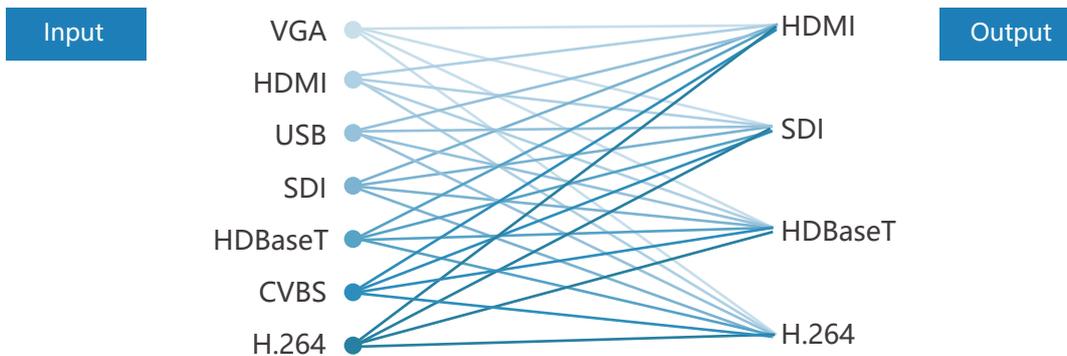
Preview Mode

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.



Matrix Mode

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



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M Series
Mixing & Scaling





Video Control on Demand

Bringing together sophisticated presentation switching with advanced mixing capabilities into a single device, this vision mixer console includes broadcast style features for quick usage and access for any event or presentation. Integral dual eight-inch LCD displays provide monitoring of video sources, full preview, and program outputs. At the rear of the M3, the unique RGBlink modular platform becomes apparent, with a host of signal options and features.

Along with the on-board LCD monitoring, signature large tactile illuminated buttons feature with T-Bar mixing controls. Up to six outputs may be fitted to M3 for presentation solutions that go beyond just vision mixing, and with powerful scaling features, M3 is a fully integrated video system suitable for professional environments across entertainment to integration.

M3 is available in two variants with the M3e model having additional features for AUX outputs when fitted, including PIP capabilities and more.



Features

- Integrated vision mixer and scaler
- 12 mega pixel capacity
- PST to PGM presentation switching
- Background insert inputs
- Overlay features including OSD, LOGO & STILL
- Digital effects for PIP including Mask, Frame, DSK
- Dedicated PVW Multiview onboard and external
- Integral adjustable Dual LCD displays
- Genlock Y In support
- Tally support
- Support for redundant power supply
- RGBlink SmartSlot™ modular signal structure
- Store and recall presets on board
- Save settings and presets to USB



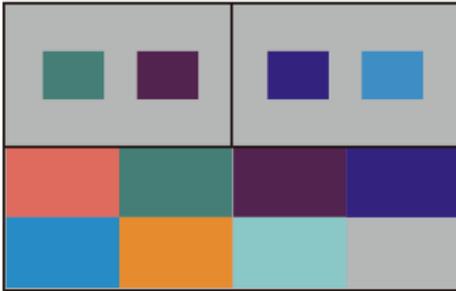
Scale

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.



Multiview Preview

M3 features a dedicated multi-view preview display available both from the on board LCD and via a dedicated HDMI output. This configurable PVW can display up to eight input sources.



PST/PGM Monitoring

An onboard LCD display is dedicated to providing monitoring of PST and may also be switched to show PGM. For external duplication of this monitoring, a dedicated HDMI output port is also provided.

Modular Inputs

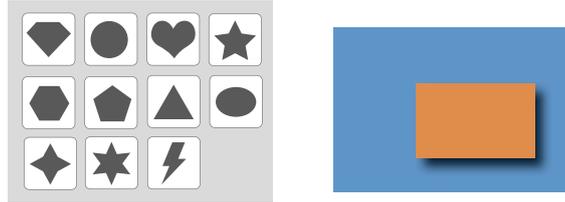
A wide range of input options are available with up to twelve inputs able to be user fitted. Input options include HDMI, DVI, SDI, DisplayPort, CVBS and USB 2.0 media.

Auxiliary Outputs

With the optional AUX output module fitted, four 2K outputs are added to M3 (bringing the total to six 2K outputs). The AUX outputs are ideal for use a relay monitors, for distributed signals or spliced displays. With the M3s model, AUX outputs add PIP support.

Digital Effects

A video mask may be applied to a foreground PIP 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, blend edge softening effect and frames/borders including drop-shadow.



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. M3 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.

Format

M3 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.

Dual 2K Outputs

M3 is standard with two HDMI outputs. These outputs may be configured in a variety of ways – modes – included standard duplicated output, dual 2K (4Kx1K) or where AUX is fitted as spliced and extended.

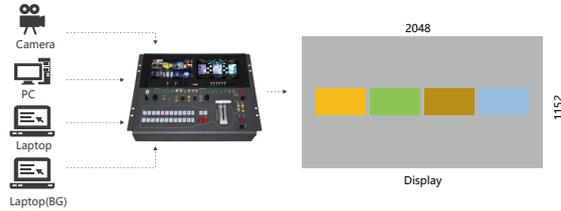
Genlock

Genlock Y in is included enabling synchronised operations of M3 across devices connected to a Genlock generator/source.

D Series	Digital Processors
X Series	Universal Processors
M Series	Mixing & Scaling
FLEXpro Series	Videowall Control
FLEX Series	Mixed Signal Matrix
1 Series	Switcher/Scalers
T Series	Control Consoles
LED Series	LED Control Solutions
UMS Series	Media Solutions
RMS Series	Monitoring Solutions
MSP Series	Video Tools
MSP Series	Extenders
MSP Series	Signal Convertors
MSP Series	Signal Distributors
	Accessories
	Software
	Reference
	Contact

Standard Mode

The default operation mode of the M3, utilise up to five scaled layers/windows over with a background. Switch seamlessly between Preset (PST) and Program (PST).



Example: four PIP over a background on a single output (and duplicated on the 2nd HDMI output)

4K1K Splicing Mode

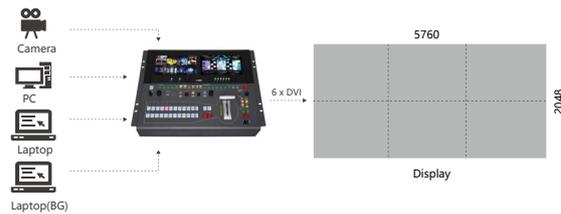
Utilising the standard dual HDMI outputs configured for 4Kx1K split mode, up to 2 layers may be used on each output over a background with seamless PST/PGM switching.



Example: two scaled video layers on each HDMI output

AUX + PGM Splicing mode

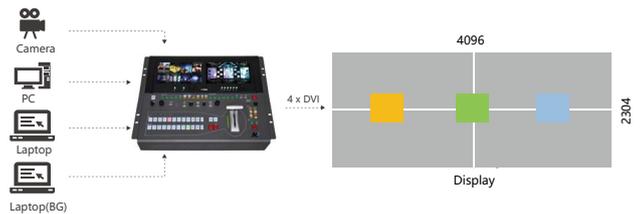
Fit an AUX module to utilise six outputs to splice and scale video up to 6Kx2K or 12Kx1K on the standard M3 model.



Example: 6K x 2K spliced display using six outputs

AUX + LOOP

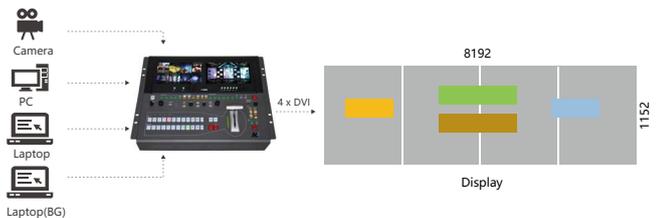
With the optional AUX module fitted and using an HDMI output looped back to an input, create the PST/PGM layout which can then be split across the auxiliary outputs.



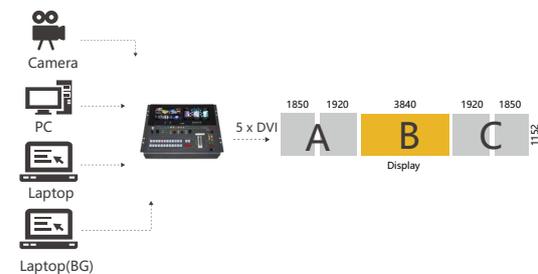
Example: 4K spliced display using AUX and PIPs



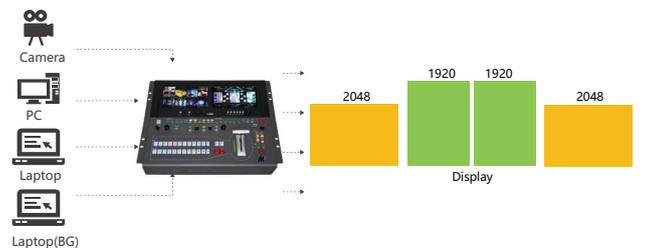
Example: 12K x 1K spliced display using six outputs



Example: 8Kx1K spliced display using AUX and PIPs



Example: Five displays, with centre "B" display using main HDMI output and window/layer



Example: Multiple AUX outputs with separate scale configuration

AUX

Using the M3e model, add up to five video layers – one for each output plus a background video. (Main HDMI outputs operate as shown in Standard Mode).



Example: PIP on each AUX output over a background



Example: Dual PIPs split across AUX outputs over a background



Example: Single PIP split across the four AUX outputs over a background



Example: Single PIPs on each of two displays as well as a PIP split across the two AUX outputs over a background



Example: Scaled output to each AUX output.

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- Accessories
- Software
- Reference
- Contact



M2

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 of 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.

M2

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



M2S

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/Chromakey 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.

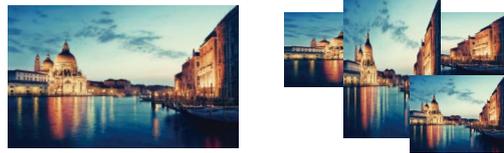


Genlock

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.

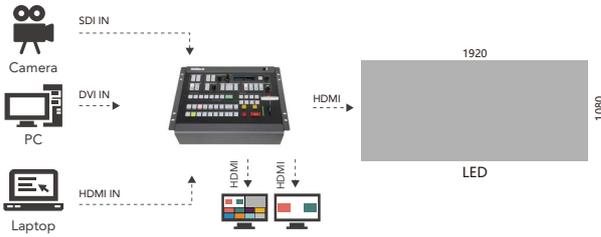
Format

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.

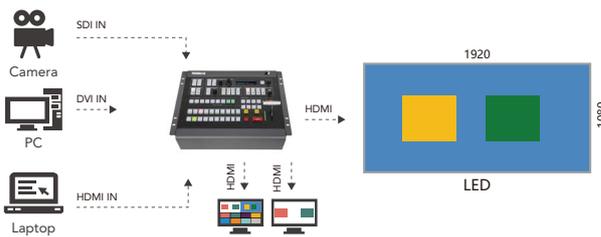
- D Series Digital Processors
- X Series Universal Processors
- M Series** Mixing & Scaling
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- FLEX Series Mixed Signal Matrix
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- RMS Series Monitoring Solutions
- MSP Series Video Tools
- MSP Series Extenders
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- MSP Series Signal Distributors
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Standard Mode

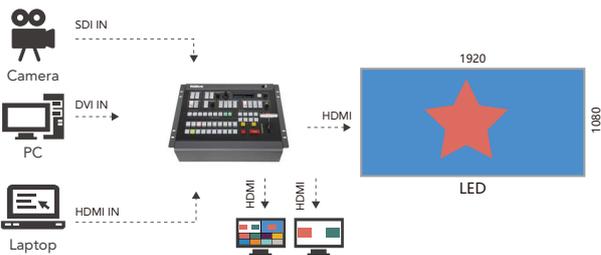
Outputs are arranged in duplicated pairs for conventional 2K output with full PST and PGM switching of up to three video layers.



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

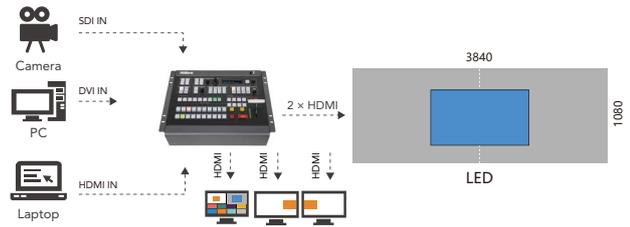


M2

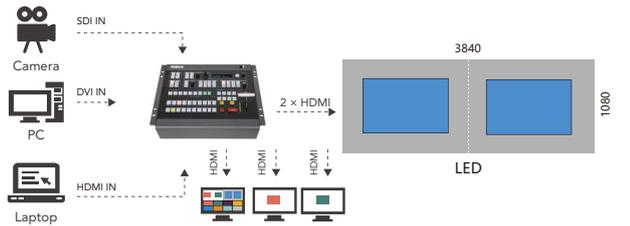
* shown with optional input and output modules-refer specification and

4K1K Splicing Mode

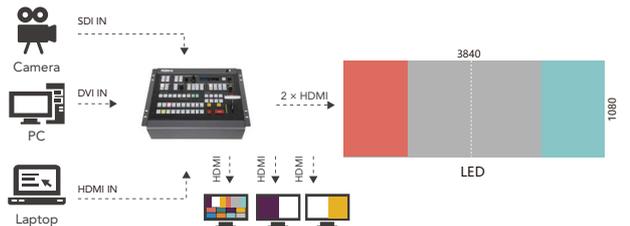
In 4K1K, or Dual2K mode, each pair of outputs is spliced to form a 4K x 1K output canvas on which up to 2 video layers can be utilised in addition to a background image.



Example: 4K PGM output canvas with both HDMI PGM outputs spliced.



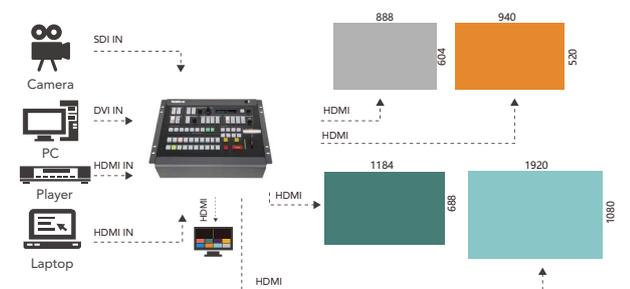
Example: 4K PGM output canvas with background images and two video



Example: 4K PGM output canvas with background images and two video

Matrix Mode

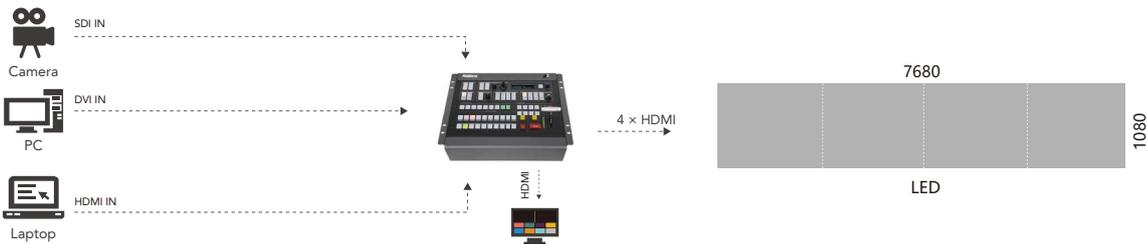
Utilise M2 as a mixed signal matrix, routing signals to HDMI outputs with each outputs scaled separately.



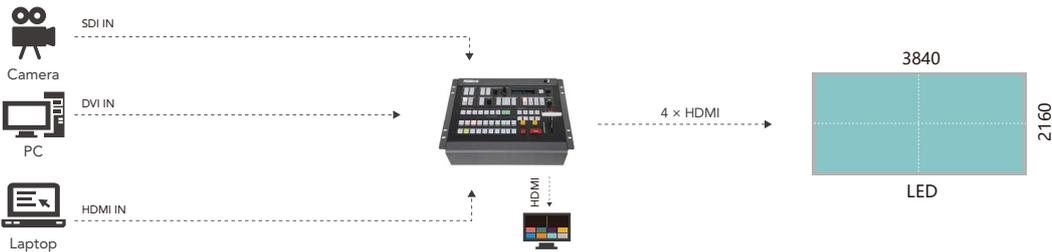
Example: Multiple signal sources each routed to an HDMI

4K2K Splicing Mode

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.



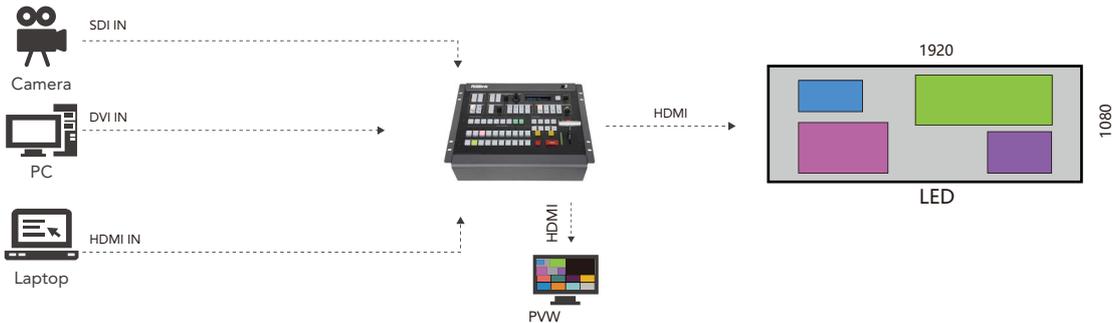
Example: 8K PGM output canvas with all four HDMI PGM outputs spliced.



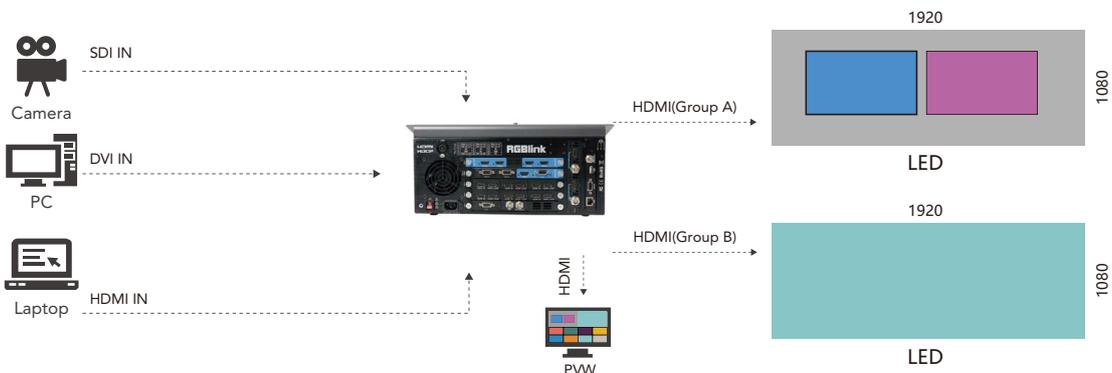
Example: 4K split of video layer in conventional 4K UHD arrangement.

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



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Fully integrated video scaling and mixing for everyday

A complete solution, simply connect M1 to any display and start presenting. Front panel console style controls together touch screen display make M1 intuitive and natural in use, even for the new operator.

More than just a video mixer, M1 allows full scaled output to modern displays without to additional equipment. For stage/conference presentations on board features including PIP (picture-in-picture) add powerful capabilities to make use of additional video sources including cameras.

While compact in size, M1 brings together essential features for small presentation environments, including audio mix features allowing connection to audio mixers or powered speakers.

M1



Features

- Four modular user fit inputs
- Single channel output on HDMI (optionally SDI)
- Resolution independent configurable output
- Dedicated Multi-View Preview
- Picture in Picture with DSK & Mask effects
- Digital video transition effects
- Pixel-to-pixel scaling engine
- Digital stereo audio processing
- Support for external audio insert and output
- Genlock Y In
- Remote control via XPOSE mobile app.



Dedicated Preview

A dedicated HDMI output with multi-view is provided from which both PGM and PST can be monitored, along with input sources and audio levels.



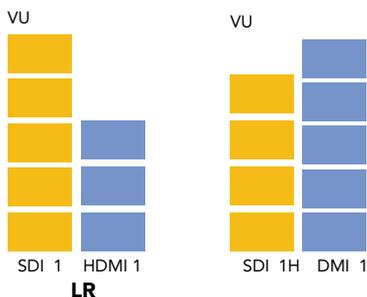
Picture-in-Picture

Add a PIP as a foreground layer in any position, including with scale and crop.

Transition Effects

There are over a dozen transition effects and wipes built into M1. These maybe used via the T-bar or timed from the TAKE button.





Mixed Audio

Both embedded and insert audio are supported with separate left/right audio level controls available on the front panel. Audio may be selected independently from the video source. PPM monitoring may be shown on the PVW as visual confirmation of source and output.



Digital Effects

The PIP may have an effect applied – options include masks (with a range built in as well as support for custom masks), DSK/Chroma Key to remove a background colour and variable edge blend, as soften effect to allowing the PIP to merged with the main image.



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.



Visual Enhancements

Apply a range of visual effects and enhancements with fine grain controls may be utilised for each input. Controls include brightness, contrast, saturation, sharpness and color temperature.



Video Mixing

M1 vision mixer style control panel provides a range of tactile controls including familiar T-Bar and large illuminated buttons for easy of operation.

Modular by Design

Each input is individual and are user fit – choose from a wide range of modular signal options. Modules are highly standardised across the RGBlink range for even greater flexibility.

Input options include HDMI, DVI, SDI, CVBS, USB and more.

Output options are HDMI or HDMI|SDI.



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





FLEXpro Series Videowall Control



FLEXpro⁸

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.

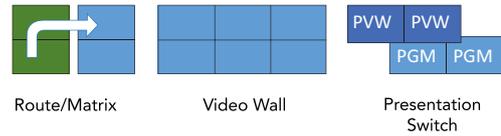
HDR Support

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



Multi-Mode Operations

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



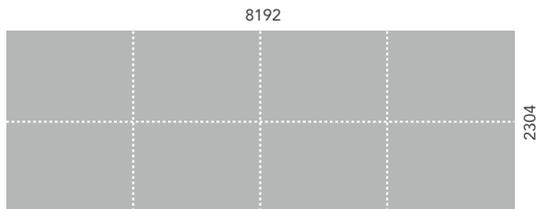
Full Color Space

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



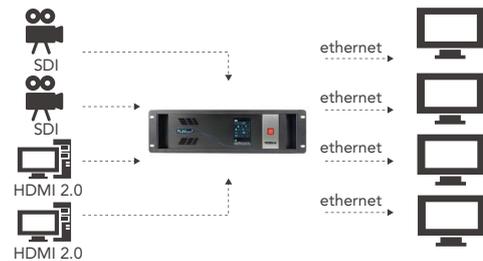
18 Mega Pixel Capacity

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.



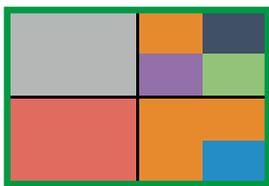
Genlock

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 (PGM) operations with multiple layers across outputs. Seamlessly switch between presets.



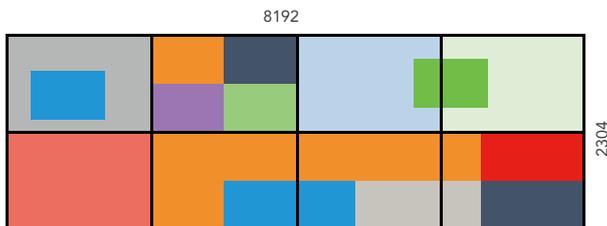
PST



PGM

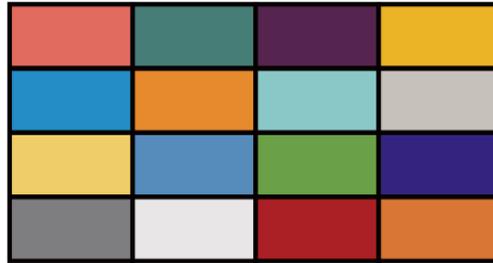
32 Video Layers

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



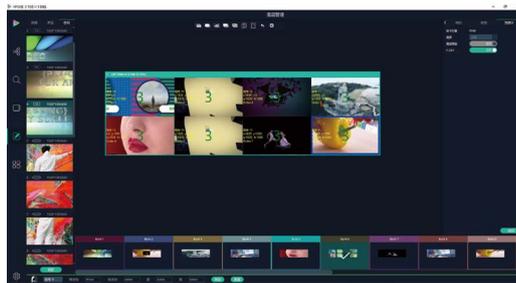
Dedicated Multi-View Preview

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

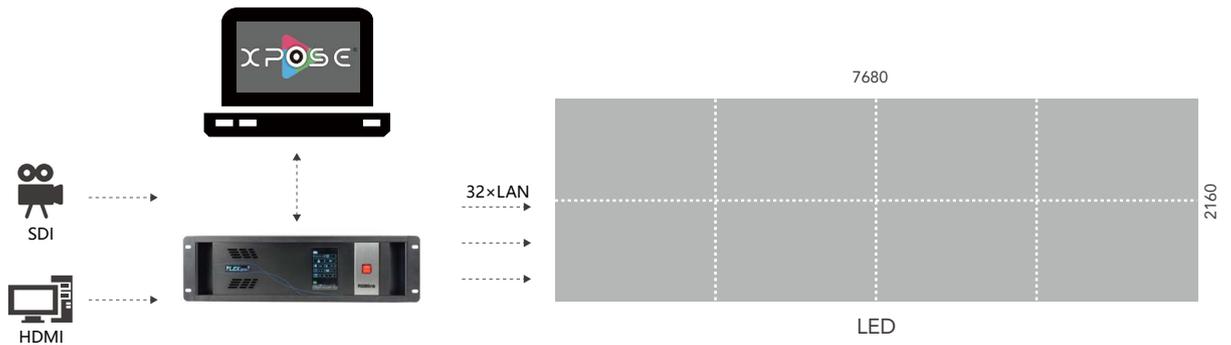
The integral LCD provides local monitoring and status of FLEXpro8.



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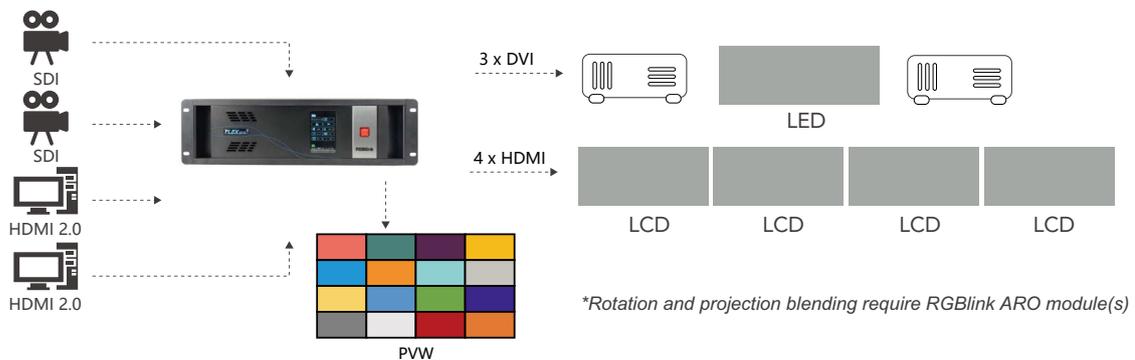
LED Control System

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.



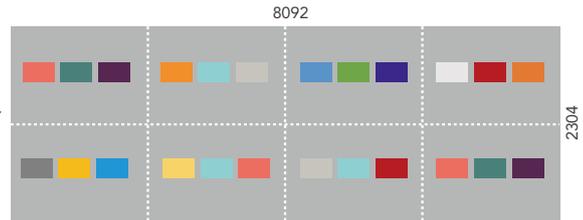
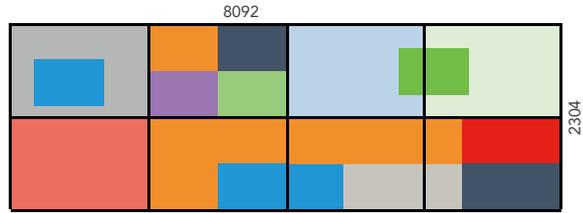
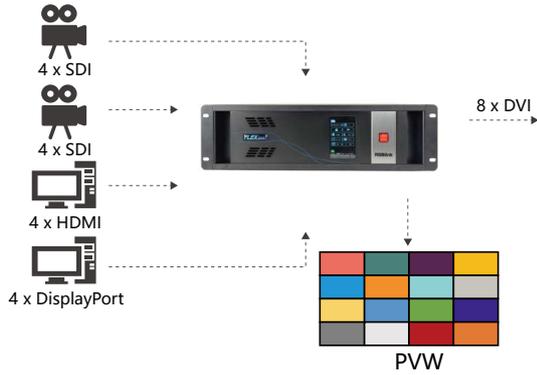
Display System Management

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.



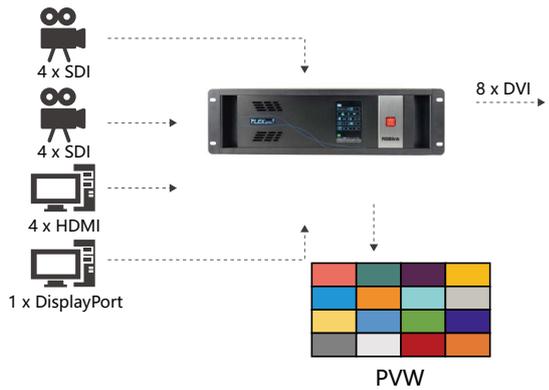
Video Wall Processor

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.



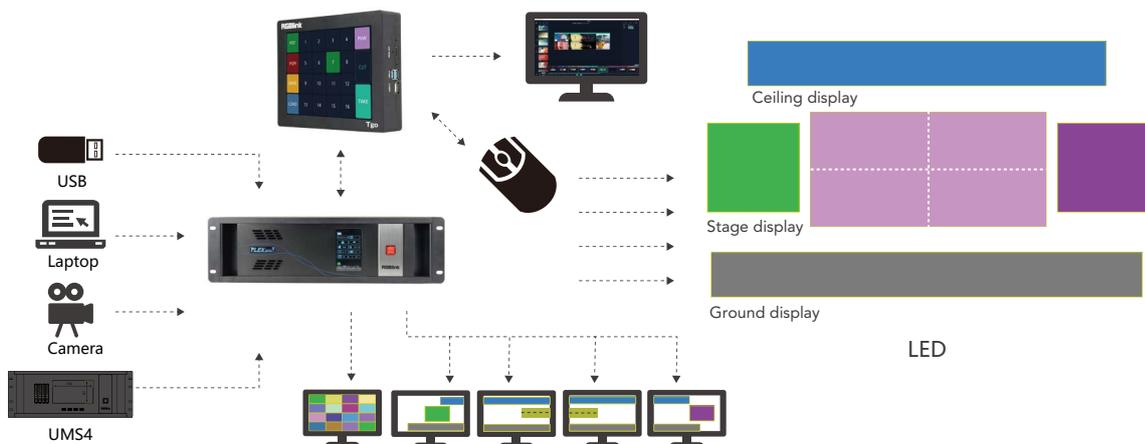
Example: 16 independent sources displays as PIPs within each display, with a background image. Preview the connected sources via dedicated HDMI

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.



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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 utilised 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.



4K Digital Input

FLEX RS1 features the RGBlink 4K60 digital input module for high resolution digital media sources to be connected via DisplayPort 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.



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.

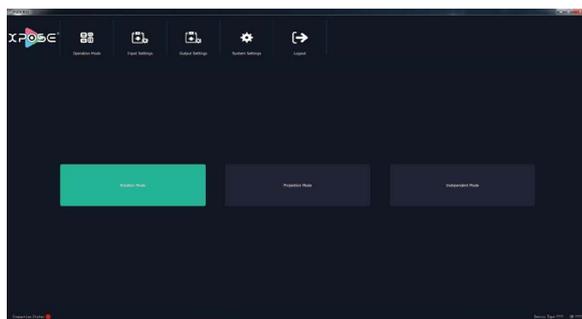
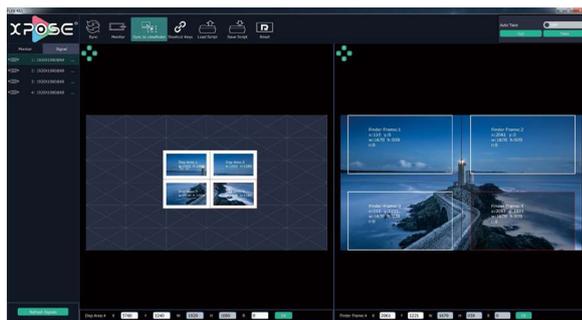
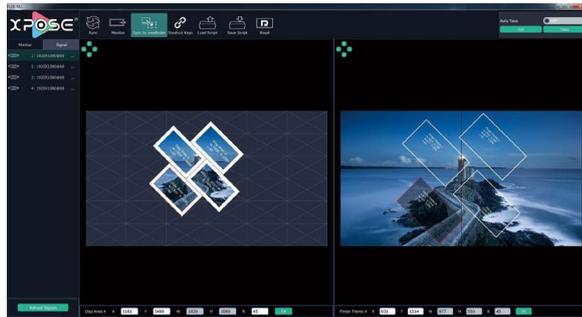
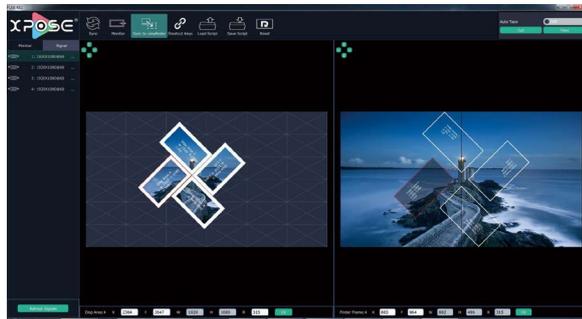


Integrate with OpenAPI

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

Familiar XPOSE Configuration

FLEX RS1 maybe connected via Ethernet 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.



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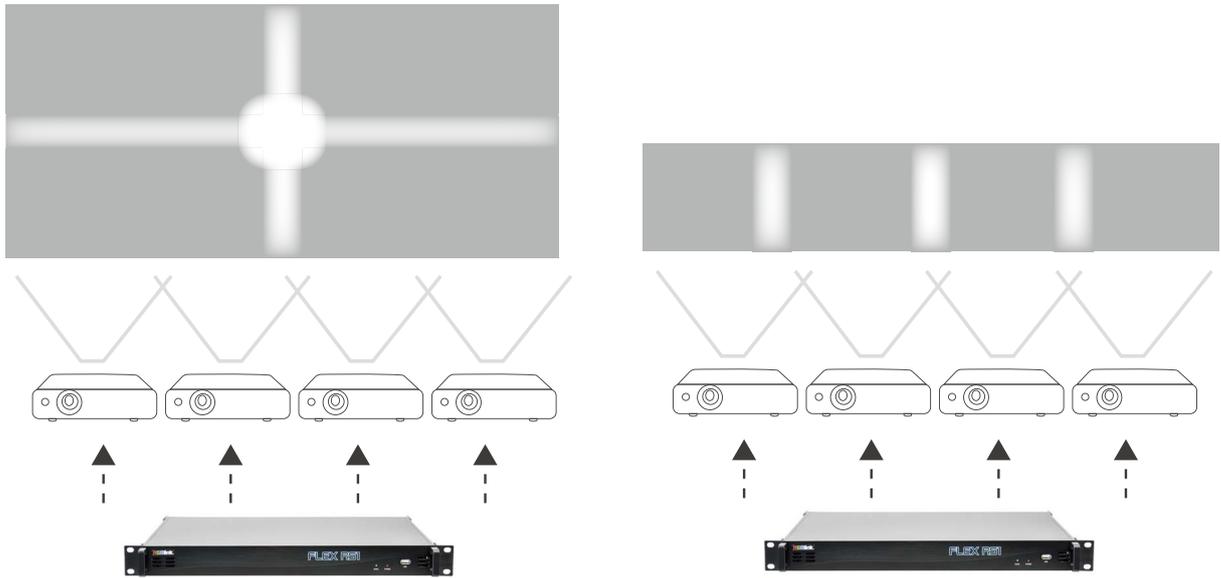
Reference

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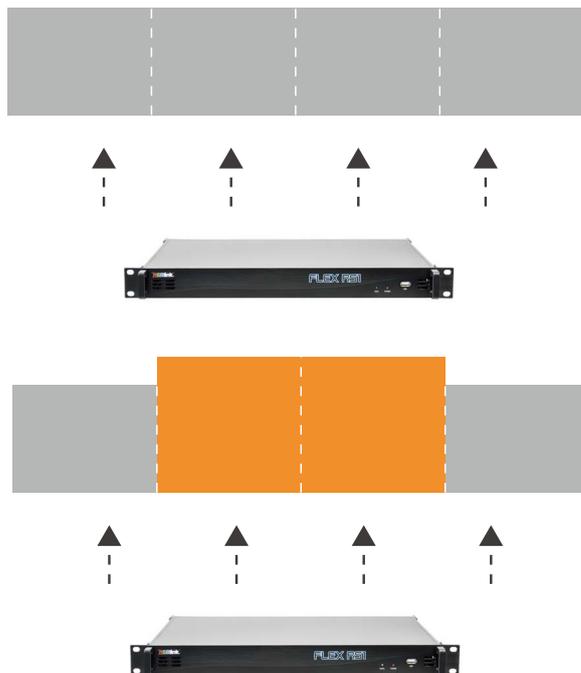
Variable Edge Blending

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.



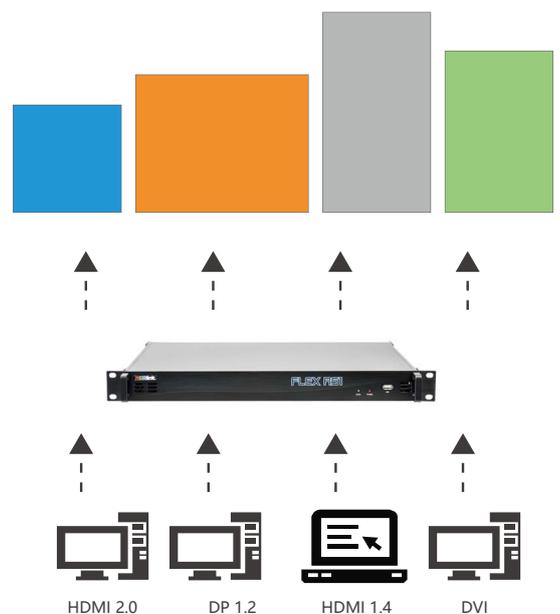
4K Video Wall Splicing

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



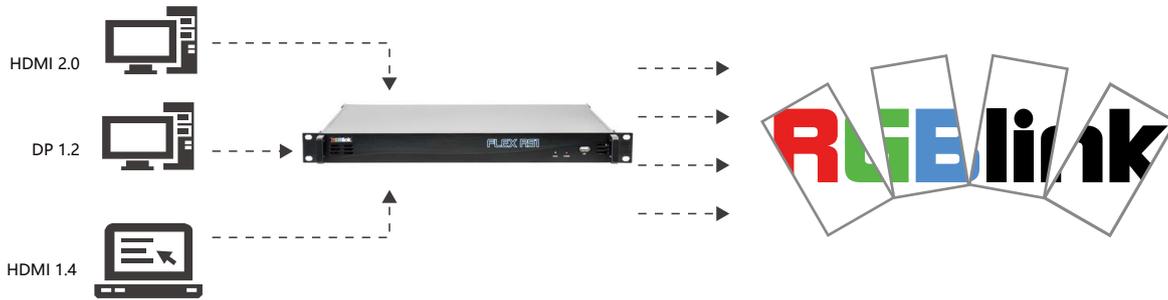
Matrix Routing

Take advantage of all four inputs, routing scaling/converting to each of the four DVI outputs. Each output has independent resolution.

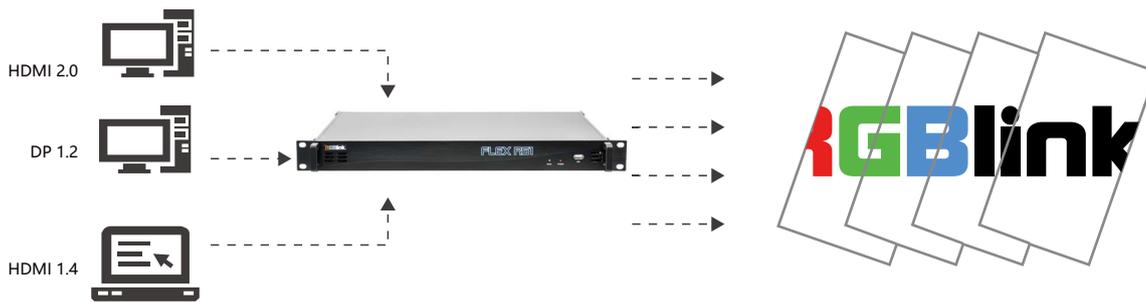


Advanced Rotation

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

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FLEX Series

Mixed Signal Matrix

FLEX 4ML

4K videowall splicing solution

With up to eight inputs including a 4K@60 module fitted as standard, FLEX4ml offers a wide range of input source options which can be switched on demand to the output displays either as the main program output or as PIP's. Four independent 2K outputs are provided along with optionally duplicated outputs for each. Ideal for commercial display applications, FLEX4ml is much more than video splicing for video walls, with multi-layer technology providing a resource up to eight video layers all with all sources, synchronised for output.



4K as Standard

Fitted standard with a 4K input module, FLEX4ml features signal support for HDMI 2.0, DisplayPort 1.2 and Dual Link DVI.

Expandable Input Support

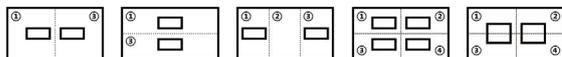
FLEX4ml has a modular design allowing the additional of up to another four input signals selectable from the wide range of native signal options for increased flexibility and resilience.

4K 2K Splicing

Seamlessly splice 4K@60 signals to multiple 2K outputs fully synchronised and pixel perfect.

Dynamic Multi-Layer Splicing

Arrange layers across outputs, select from built-in presets or customise as needed.



Duplicated Outputs

Each of the four DVI outputs may be optionally supported with a duplicated redundant output which may be used for loop back, backup or area of interest configurations.

Flexible Operations

FLEX4ml provides multiple operation modes including 4K2K, 8K1K and 4K1K Splicing, Presentation and Switch modes. Devices may be deployed in a variety of ways allowing a high level of hardware and operational consistency.

Switch Seamlessly

Recall and switch between presets on demand or on a schedule with jitter free seamless switching regardless of sources selected.

Powerful Configuration & Control

Configure and control FLEX 4ml from XPOSE® - the rich UI desktop platform for Windows and macOS. Control FLEX 4ml over Ethernet with either XPOSE or RGBlink OpenAPI which provides extensive integration opportunities with virtually any 3rd party control.

Genlock Y

Genlock Y (Blackburst) input and loop facilities are provided allowing FLEX4ml to be synchronised with other video devices in conjunction with a Genlock Generator.

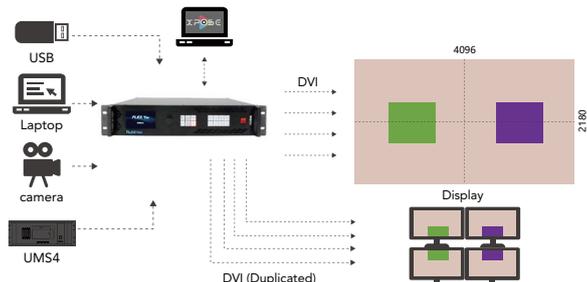


Videowall Splicing

Use FLEX4ml splicing mode operations to configure continuous videowall displays in a variety of ways with single or multiple video sources.

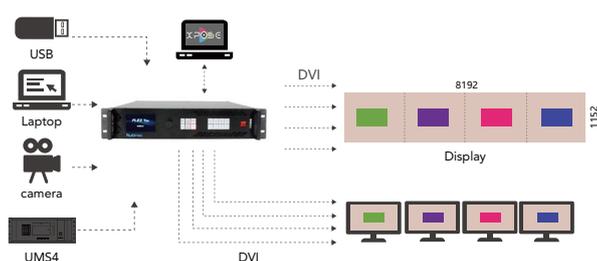
4K2K Splicing

Input a 4K source via DisplayPort or HDMI with output split and spliced to the four outputs pixel-topixel and with bezel offset support. Overlay windows or PIPs can be applied with up to 8 layers total across the displays including the main source.



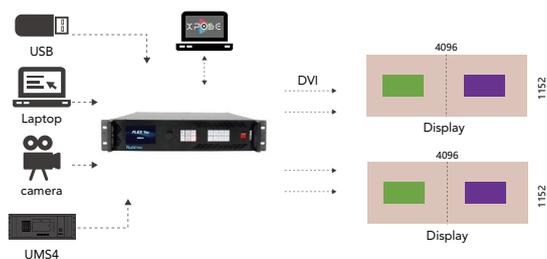
8K1K splicing

Input a 4K1K source via DisplayPort, HDMI or DVI with output scaled, split and spliced to the four outputs to create a 8K wide display. Use up to four PIP layers.



Dual 4K1K Splicing

Input a 4K1K source via DisplayPort, HDMI or DVI with output split and spliced to each pair of two with up a PIP layer available for each output.



Presentation Switching

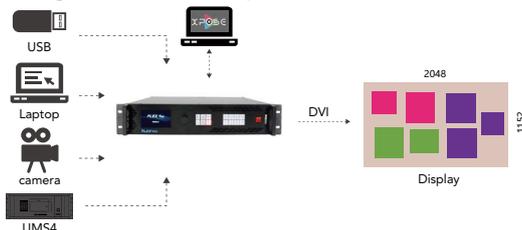
Use multiple video layers on a 2K output and background with fade-in-fade out of windows/PIPs.



Product shown with optional modules fitted. Refer Specifications and Guides for more information.

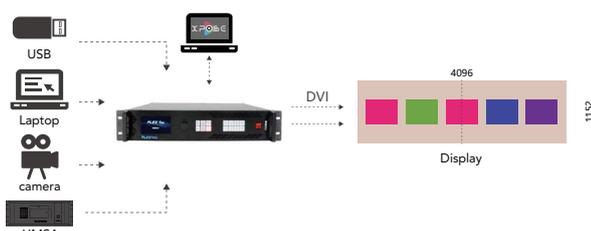
2K Presentation

Up to in total of 8 layers may be used on a single 2K DVI output display. With a dedicated background layer from one of the input (One 4K input or 2 separately 2K inputs to be used for this live input), or saved background picture, the operator can add up to 7 layers on the top of the background, in different presets.



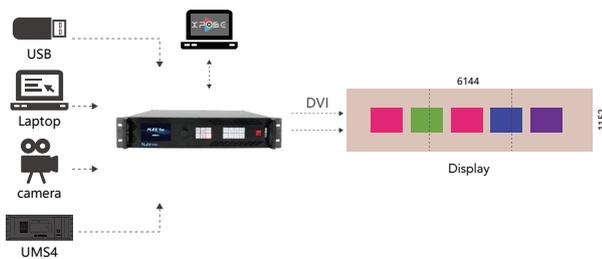
4K1K Presentation

Up to in total of 8 layers may be used on two 2K DVI outputs display. With a dedicated background layer from one of the input (One 4K input or 2 separately 2K inputs to be used for this live input), or saved background picture, the operator can add up to 3 layers on the top of each 2K output, in different presets.



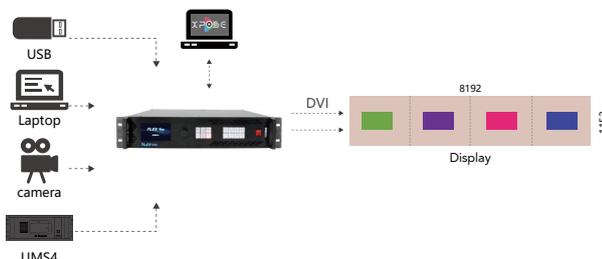
12K Presentation

Up to in total of 8 layers may be used on three 2K DVI outputs display. With a dedicated background layer from one of the input (One 4K input or 2 separately 2K inputs to be used for this live input), or saved background picture, the operator can add up max 2 layers on the top of each 2K output, in different presets.



16K Presentation

Up to in total of 8 layers may be used on three 2K DVI outputs display. With a dedicated background layer from one of the input (One 4K input or 2 separately 2K inputs to be used for this live input), or saved background picture, the operator can add 1 layers on the top of each 2K output, in different presets.



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FLEX

Hybrid Matrix and Videowall Splicing

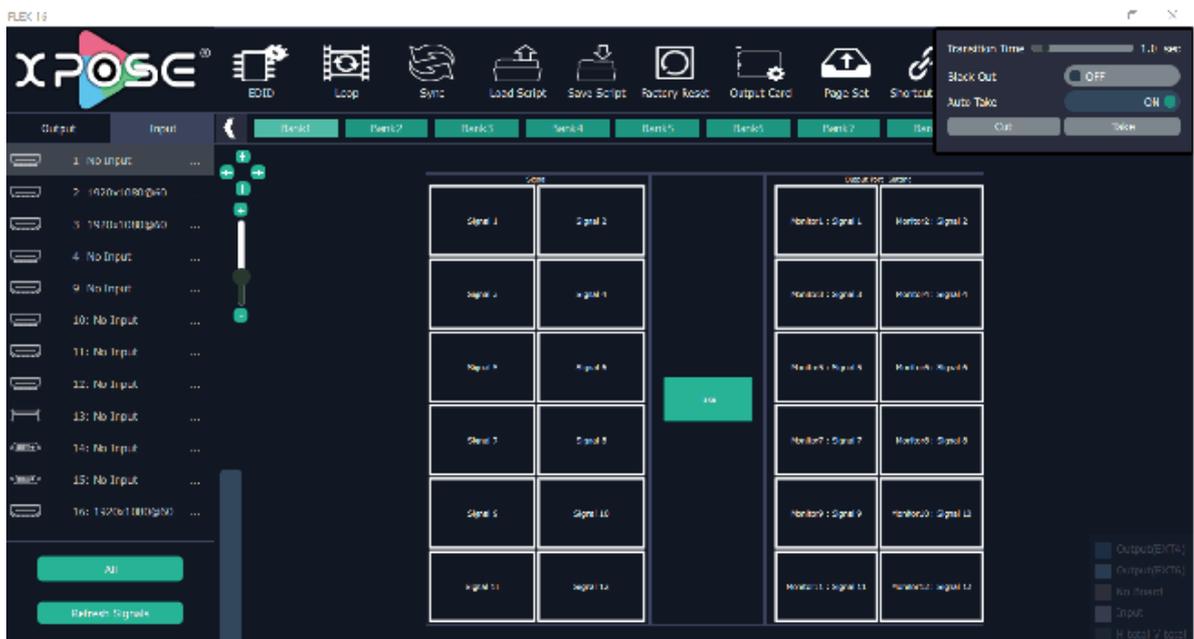
Go beyond traditional matrix solutions with the FLEX range. Both input and signals are fully modular with each individual signal able to be fitted to requirement. Choose between output matrixing, splicing or a hybrid combination of both for the ultimate in flexibility, efficiency and economy.

Features

- Range of conveniently sized frames from 1U to 6U
- Choice of output mode operations
- Wide selection of native signal options for input and output
- Truly multi and mixed-signal
- Front panels options for splicing and unattended applications
- EDID management built-in
- Exchangeable PSU (FLEX 16/32)

Intuitive Remote Configuration

FLEX may be configured and controlled from the XPOSE rich user interface or via OpenAPI. Within XPOSE matrix and splicing options are drag-and-drop, with presets able to be named and saved onto FLEX processors.



FLEX 8

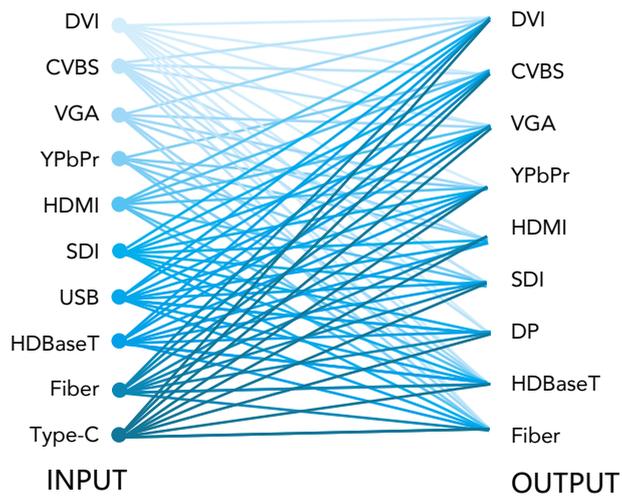


Compact 1U Format

An impressive 8x8 mixed signal matrix. Standard with front panel keyboard and OLED display for local operations, the FLEX 8 front panel is removable with a blank panel able to be installed for zero-touch applications.

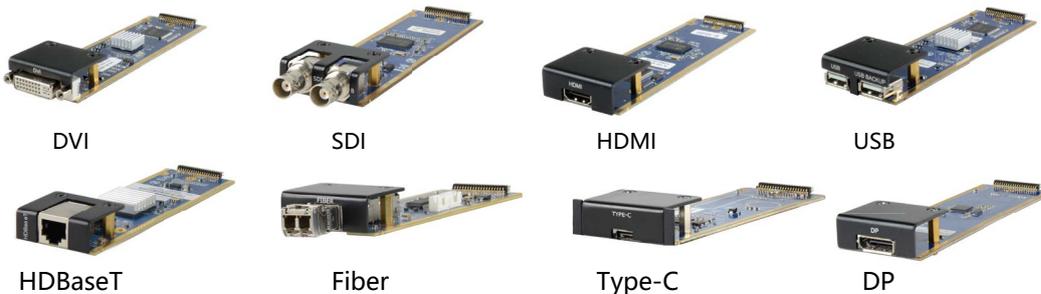
Matrix Operations

As hybrid mixed-signal matrix, FLEX supports any-in-any-out signal switching as one-to-many, many-to-many and many-to-one. FLEX products provide a simple user focussed structure that maximises flexibility and allows installation with the overhead of unutilised signals.



Fully Modular Design

Input and output modules across the FLEX series are common and include a wide range of signal options that can be mixed-and-matched to requirement, reducing the need for external converters, reducing points of failure and reducing complexity, saving space and enhancing performance.



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FLEX 16



16x16 Mixed Signal Matrix & Videowall Processor

Just 2U, FLEX16 supported up to 16 inputs and outputs which may be selected from a wide range of signal options. Install the Splicing EXT slot interface in place of a Matrix EXT slot interface to achieve spliced videowall output. FLEX 16 is standard with removable front panel keyboard and OLED display for local matrix operations, there is an optional a blank panel for splicing or unattended applications.

32x32 Mixed Signal Matrix & Videowall Processor

Install up to 32 inputs and outputs. With no requirement to fill all slots FLEX32 can be configured precisely for specific applications from the wide range of signal options available. Installing one of more Splicing EXT slot interfaces in place of a Matrix EXT slot interfaces to achieve spliced videowall output in combination with matrix operations for a compact and efficient video distribution and display system. FLEX 32 is standard with front panel keyboard and OLED display for local matrix operations, with a blank panel able to be installed for matrix and applications using remote control.

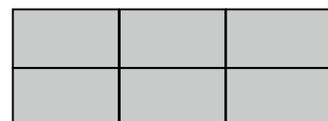
Matrix

One-to-one or one-to-many with signal cross conversion

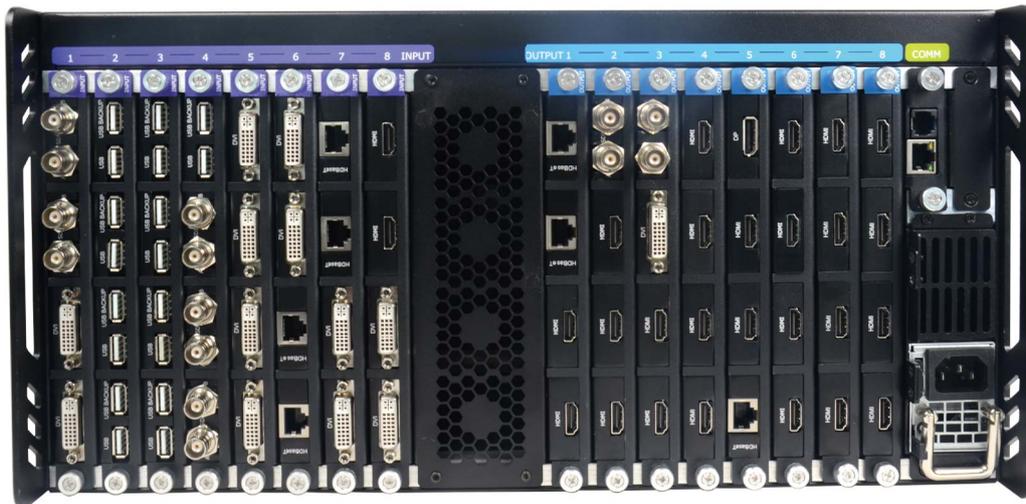
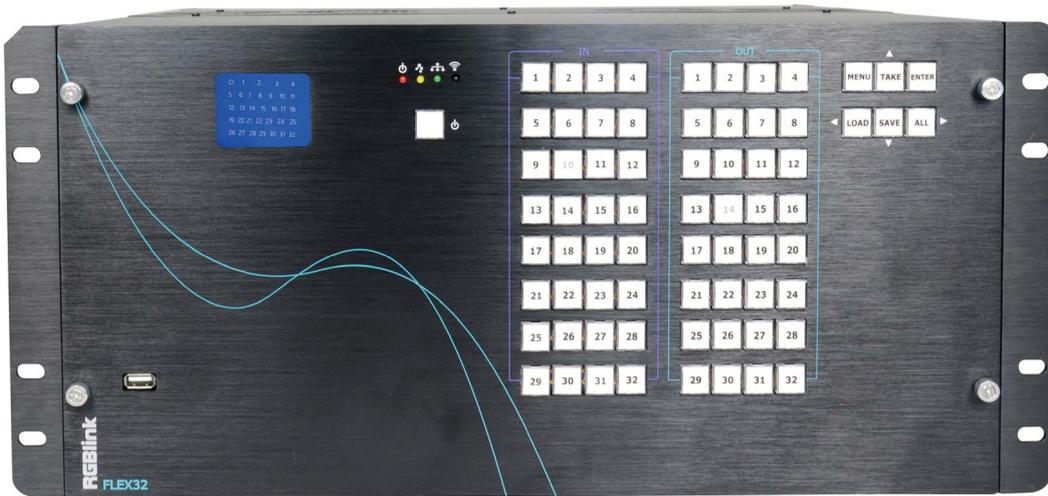


Videowall

Input signal spliced across output videowall display

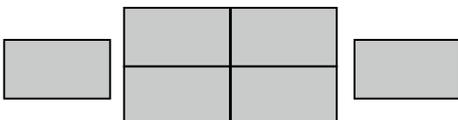


FLEX 32



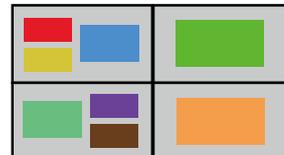
Hybrid

Combination of matrix and splicing output slots



Dynamic Multi-View

One output on each slot connected to spliced video wall, with PIP/windows



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X1PRO E

Essential 4K Video Scaling and Splicing

Take advantage of 4K video sources to scale and splice to multiple 2K outputs. Compact in form at only 1U, switch between multiple sources glitch free with ease. Spliced outputs may be arranged in a variety of ways in addition to conventional 4K split, with panoramic and other configurations. X1pro e also offers multiple operation modes to support applications such as 4K1K and more.



Standard 4K Inputs

X1pro e includes popular DVI and DisplayPort inputs supporting 4K, with the DVI2 also supporting HDMI (and HDCP). Loop connectors are provided allowing connectivity to other devices.

4K Split Outputs

With standard output to quad DVI connectors, X1pro e is ready to connect to common LED systems, facilitating pixel-to-pixel splicing across multiple outputs and displays regardless of physical arrangement.

Multi-Mode Operations

Ideal for a range usage applications, X1pro e is ready with the flexibility of multiple operation modes, enabling display solutions from conventional 2K with presentation modes, through to 8Kx1K splicing

Add Additional Inputs

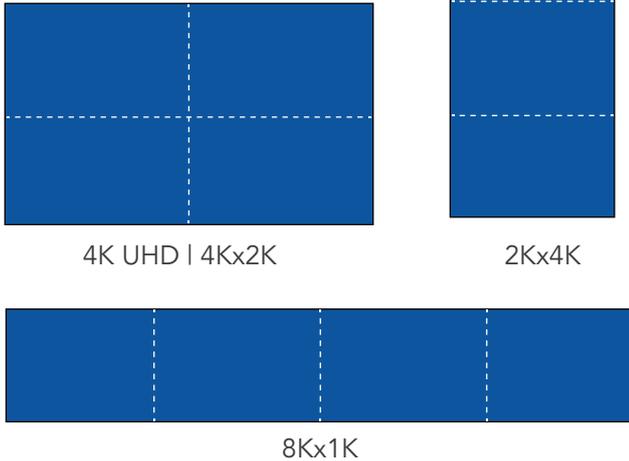
The unique RGBlink modular input system is available on board X1pro e, allowing users to add up to an additional three 2K input sources for added flexibility. Options include USB2.0, 3G-SDI and more.

4K



Configurable Splicing

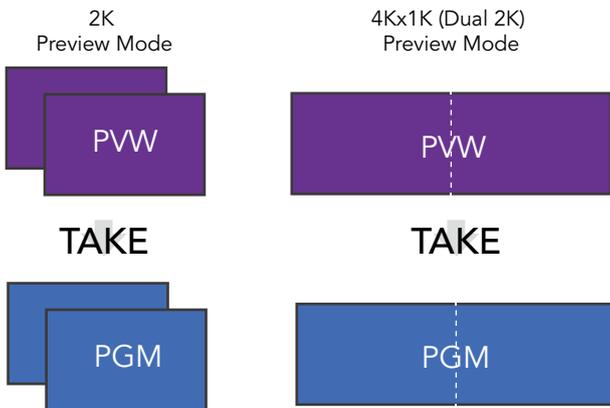
Output splicing may be configured in a variety of ways to deliver a continuous display surface using the four DVI outputs provided, whether in conventional formats or custom formats.



Seamless Switching

In preview mode, outputs are divided between Preview (PVW) and Program (PGM) functions, with the PVW allowing operators to visually confirm source/preset video before TAKE to output.

In standard splicing modes where all four outputs are utilised for the main Program display, no preview is available, nonetheless switching between sources is seamless.



Redundant Outputs

X1pro e includes a full set of backup/loop outputs, fully synchronised with the main outputs, these outputs may be utilised to supply video to backup displays or LED control systems, increasing the availability options without the need for additional splitters.



Robust & Flexible

Signal failure over, or Hot backup is available. In the event a source signal is lost, the X1pro e can automatically switch to the alternate source specified.

Direct Access

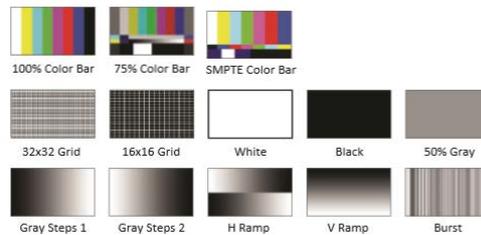
Configure and control X1pro e directly from the front panel. With large illuminated buttons and OLED display, X1pro e operations are intuitive and fast.

LOGO Capture

Capture a video frame and store on board X1pro e, ideal for logos, default or fail-over messages.

Test Patterns

In aid of configuration, X1pro e includes common test patterns.

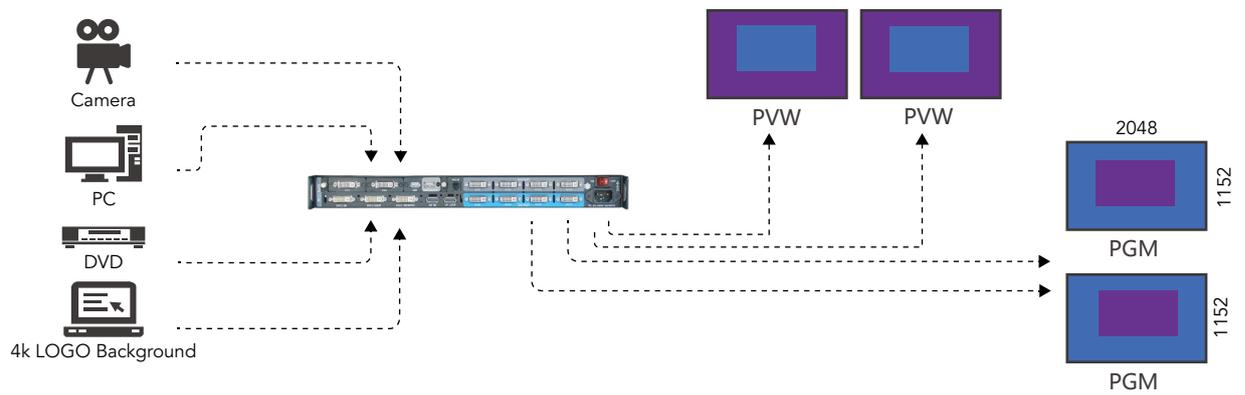


* shown with optional modules fitted as example configuration. Refer to Specifications and Guides

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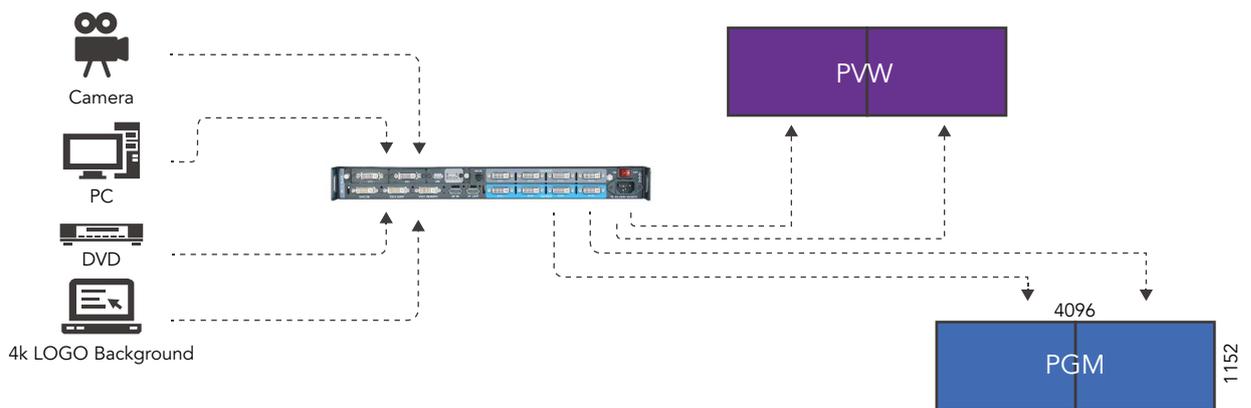
2K Preview/Switcher Mode

In Preview mode, outputs are divided into 2K duplicate pairs, with two ports as preview (PST) and two ports as program (PGM). Switch seamlessly from PST to the PGM outputs.



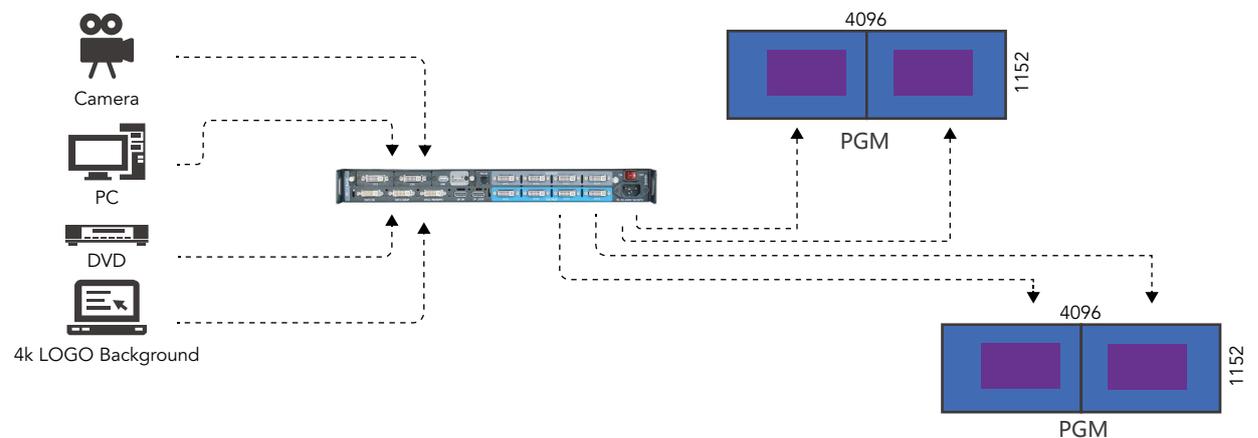
4K1K Preview/Switcher Mode

In this seamless switcher mode, outputs are arranged in pairs, with two ports in split modes providing a 4K by 1K preview (PVW) and the other two DVI ports similar as program (PGM) outputting 4K by 1K to be a single seamless display. Alpha cross fade between PVW and PGM via the TAKE button.



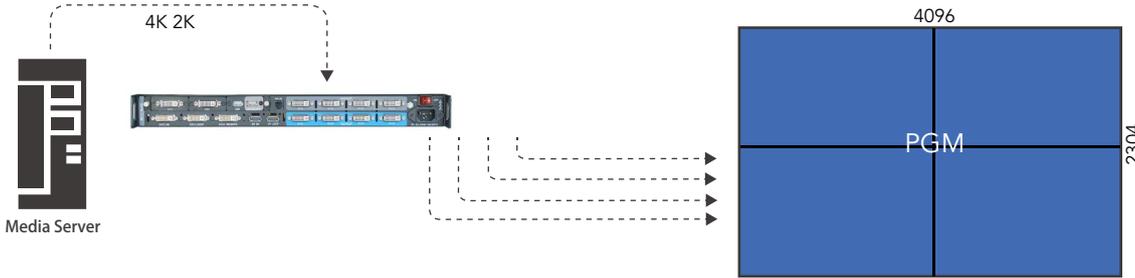
4K1K Split Mode

Each pair of outputs forms a duplicated 4K1K display with a background layer across the 4k1K and a PIP able to be added to each 2K 1K area.



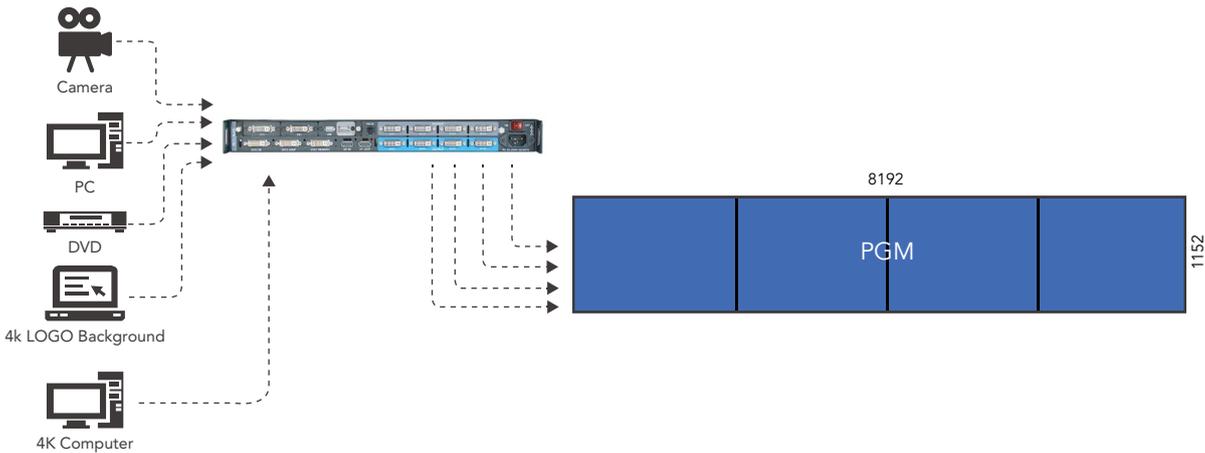
4K Split Mode

Use a 4K/UHD input signal with X1pro e to easily split and distribute across multiple 2K outputs, ideal to produce native 4K video wall solutions.



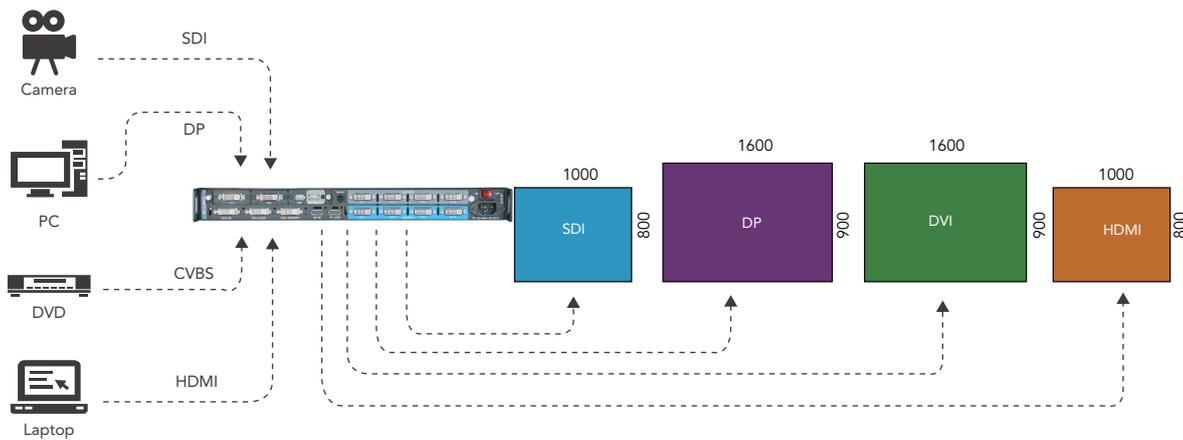
8K1K Split Mode

Take one or more video sources to produce a panoramic style 8K x 1K display seamlessly spliced and synchronised for continuous display. Suitable for stage and studio display applications.



Independent/Matrix Mode

Use X1pro e as a router with scan conversion between input and output allowing delivery of digital video to downstream devices.



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X¹

Next generation professional seamless switching and scaling

Innovative modular design. Simply plug in additional inputs to requirement. Bright LED display, large illuminated buttons. Intuitive and easy to use.



Features

- Seamless switching between any source
- Scaling with configurable Horz & Vert offsets
- Image Enhancement
- Transition Effects
- Split function
- PIP from any source in any position and size
- Up to 2048x1152@60Hz / 2560x1152@50Hz
- On board EDID Management
- HDCP compliant
- Easy intuitive operation
- Modular construction with innovative RGBlink plug-n-play architecture
- Add a wide range of input options to suit particular requirements
- Optional Wifi Hot Spot module for use with remote apps
- Optional Audio Management module



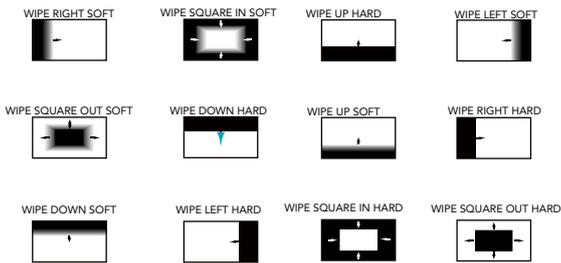
Seamless Switching

Switch between any input with any resolution seamlessly, with no black frame.



Transition Effects

Choose from a range of transitions to add further effect to displays.



Picture in Picture

Include a PIP from a range of stand positions including PBP (Picture-By-Picture) Pre-sets.



Remote Control

Standard Windows control software for remote control and update is included. Apps for Apple iPad and iPhone, as well as Android are available, extending the use of X1.



Input Options

Select from a wide range of input and other options to customise X1 to specific requirements, whether for rental or installation.



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C1US

Ready to Go Seamless Switching and Scaling

The C1US is designed for easy use video wall scaling - to be quick ready to go for everyday applications. Featuring as standard HDMI, DVI, VGA and Composite and well as 3G-SDI inputs, C1US also includes external audio input and output support.



Features

- Picture-in-Picture
- Seamless switching and transition effects
- Split image across dual outputs
- Standard and custom output resolutions
- Integrated audio
- EDID Management
- Built-in test pattern generator



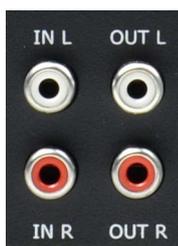
Ready to Switch & Transition

Switch between videos with cut, fade or transition effects with no black frame.



Ready to Play

Insert external audio or use embedded digital video. Output audio separately via the external RCA jacks allowing C1US to be integrated with audio mixing systems.



Ready to Display

Include a PIP in a range of standard positions, including PBP (Picture-By-Picture) Pre-sets.



Management Ready

EDID resolution management is available on board including copy and save increasing input support compatibility.

Ready to Send

C1US features a dual height slot compatible with a wide range of LED Sender Cards. This innovative feature can accommodate two standard LED Sender Cards or one dual height card. Direct configuration of selected LED Sender Cards is available via the on board menu.

Ready for Media

Add an additional input to the C1US, via the slot provided. A wide range of options are available including USB media input to playback media including MPEG4, AVI, JPG, transforming the processor into a simple media player.

Ready to Scale

Cross convert video inputs to the required output resolution. C1US supports a host of standard input formats, while output resolution settings are even more flexible to support a wide range of display devices. For LED and other displays, the RGBlink pixel to pixel scaling engine is built-in allowing pixel perfect video presentation on any display in any ratio.



- D Series Digital Processors
- X Series Universal Processors
- M Series Mixing & Scaling
- FLEXpro Series Videowall Control
- FLEX Series Mixed Signal Matrix
- 1 Series Switcher/Scalers**
- T Series Control Consoles
- LED Series LED Control Solutions
- UMS Series Media Solutions
- RMS Series Monitoring Solutions
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A DJ booth is shown with a large monitor displaying a vibrant laser light show. The scene is filled with blue and purple light beams crisscrossing the space. A yellow semi-circular graphic element is overlaid on the bottom right of the image, containing the text. The overall atmosphere is energetic and modern.

T Series Control Consoles

T1



Connect & Control

Connect T Series console to compatible RGBlink processors via a Cat6e cable. Click search and connect, to immediately them be able to configure and control the connected processor.

External Display

Connect an external monitor for duplication of on board controls display.

Interactive Touch Screen

On board LCD displays are touchscreen enabled intuitive navigation and controls.

Video Streaming

When connected to a H.264 preview streaming enabled processor, T Series consoles display video sources directly in the configuration allowing users to have a realistic representation of both presets and preview/program operations.



Take control of live events with T1, putting full power of control with the programmer and operator. T Series consoles features integrated LCD touch screen displays front and centre, allowing full view of configuration of connected processors. With large dynamically illuminated keys, along with OLED electronic legends for superior visibility, T Series console provide immediate hands on controls essential for live work environments including stage, broadcast and control rooms.

T Series controllers come to live when connected to selected RGBlink advanced processors from the X Series.

Utilizing the power of the RGBlink XPOSE platform, T Series controller offers fluid and demand based video wall control from a convenient tactile interface, opening up new possibilities and enabling supplicated video presentations.

Configure & Preset

Configure all the attributes of connected processors visually, and well as recall, program and save presets on the remote processors.

Dedicated to Control

The live control section of the T Series consoles includes familiar T-Bar and TAKE buttons along with related output controls positioned for clear and optimal access.

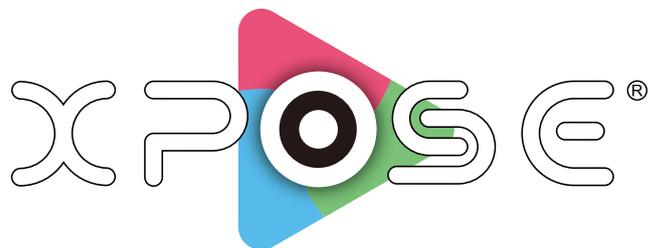
Dynamic Control Surface

T Series application keys are conveniently arranged in groups. OLED displays above each key provide a legend as to the function of the key, and may be configured or personalised with text or graphics to the users requirements.

Convenient Control

To aid in configuration and data entry, T Series consoles include a variety of input methods which not only include the touch screen, but also a dedicated numeric pad and three-axis joystick precision joystick.

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Tgo

Video Control at your Fingertips

Portable and lightweight, Tgo goes wherever control is needed. The compact format contains not just a 8 inch touch screen display, but also the power of XPOSE® controls. Connect remote preview enabled processors directly to one of the gigabit LAN ports to not only switch between presets but also preview source video directly on Tgo. Enhance video control operations by adding an extended monitor and peripherals including keyboard and most to create the ultimate video control station.

Features

- Standalone XPOSE powered video control
- 8inch touch screen
- Preview source video and presets
- Customisable touch keys
- Multiple direct Gigabit ethernet connections
- USB3.0 support for external peripherals
- HDMI port for monitor

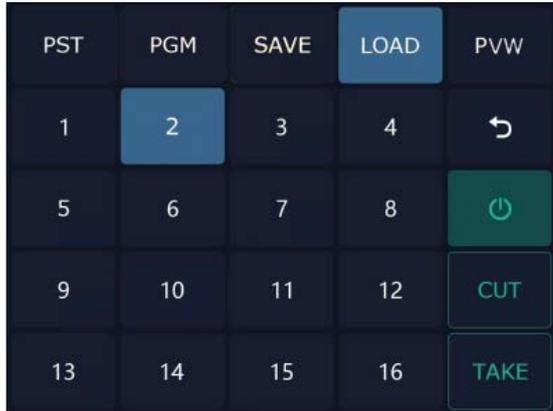


Designed for You

Tgo is equally at home for events and installation applications with options for not only desktop use, but also wall mounting and rack mounting

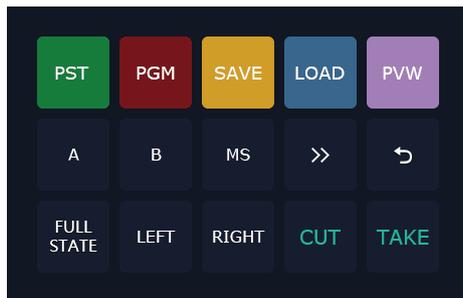
Preset Control

Recall presets from connected processors, previewing directly on the Tgo display before switching to output. Multi-mode support is available for processors configured with differing operations. Select presets from across multiple banks on the selected processor.



Custom Layouts

Customise buttons with icons and/or text, tailoring Tgo to specific applications or events.



Extend

Use a USB keyboard and mouse for more control and connect an HDMI to take full control of configuration and control possibilities on demand.



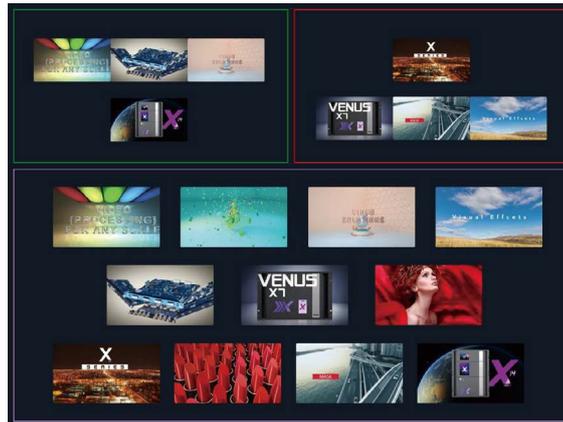
Multi-View

Display video sources in configurable multi-views.



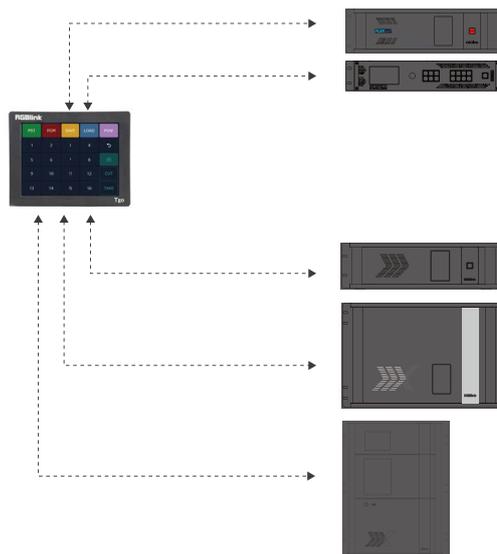
Live Presets

View presets with live video previews on the Tgo display when connected to enabled processors.



Centralised Control

Control complete systems of not just multiple displays, but also multiple devices from across the X universal processor and FLEX/FLEXpro range.



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EXIT 出口

EXIT 出口



EXIT 出口

EXIT 出口



LED Series

LED Control Solutions



The Future of LED Control Today

LED control evolved for modern displays and applications, the Subito™ system developed by RGBlink brings together familiar yet streamlined configuration functionality tightly integrated with video control providing key entry points opening up whole new possibilities and increasing efficiency while offering exceptional performance.

Feature

- Fully integrated to processing solutions with no gap or encode-decode loop
- Configure and control all display attributes from a single point and application
- Full 2K support per Subito TX Quatro output module
- Enables compact and dense installation saving space and increasing efficiency
- Takes advantage of native processor capabilities for redundancy and backup without duplication
- Integrate seamlessly via RGBlink OpenAPI
- Optimize operations and performance with the Subito Inside certified LED panels

Integrate Seamlessly

Use RGBlink XPOSE and OpenAPI to control video processing and LED display control via a single end-point including status reporting and monitoring.



XPOSE

Display System

Index	x	y	w	h
1	0,0	0,87	174	87
2	174,0	0,87	174	87
3	348,0	0,87	174	87
4	522,0	0,87	174	87
5	696,0	0,87	174	87
6	870,0	0,87	174	87
7	0,174	0,174	174	87
8	174,174	0,174	174	87
9	348,174	0,174	174	87
10	522,174	0,174	174	87
11	696,174	0,174	174	87
12	870,174	0,174	174	87
13	0,261	0,261	174	87
14	174,261	0,261	174	87
15	348,261	0,261	174	87
16	522,261	0,261	174	87
17	696,261	0,261	174	87
18	870,261	0,261	174	87
19	0,348	0,348	174	87
20	174,348	0,348	174	87
21	348,348	0,348	174	87
22	522,348	0,348	174	87
23	696,348	0,348	174	87
24	870,348	0,348	174	87
25	0,435	0,435	174	87
26	174,435	0,435	174	87
27	348,435	0,435	174	87
28	522,435	0,435	174	87
29	696,435	0,435	174	87
30	870,435	0,435	174	87
31	0,522	0,522	174	87
32	174,522	0,522	174	87
33	348,522	0,522	174	87
34	522,522	0,522	174	87
35	696,522	0,522	174	87
36	870,522	0,522	174	87
37	0,609	0,609	174	87
38	174,609	0,609	174	87
39	348,609	0,609	174	87
40	522,609	0,609	174	87
41	696,609	0,609	174	87
42	870,609	0,609	174	87
43	0,696	0,696	174	87
44	174,696	0,696	174	87
45	348,696	0,696	174	87
46	522,696	0,696	174	87
47	696,696	0,696	174	87
48	870,696	0,696	174	87

LED Cabinet Template Used Monitor

Cabinet Type Customize

Width 174

Height 87

Total Col 6

Total Row 8

Max Loading W 2048 H 1152

Display Format W 1044 H 696

Ethernet

Connection type

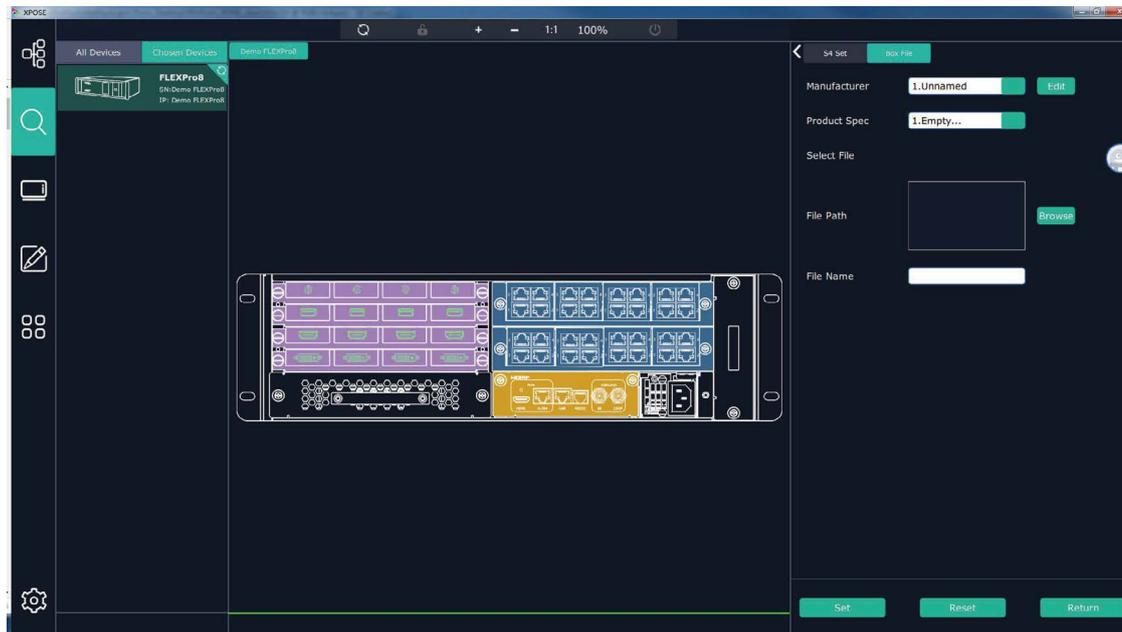
2 5 5 2 0 0 0 0

Set Create Monitor Return

Index: 32 x: 174 y: 261 w: 174 h: 87

Library Profiles for LED Panels

All certified Subito panels are registered in a downloadable library, simply detect or select panels from the list directly within XPOSE. Profiles are optimized for by the LED panel manufacturers for quality and performance.

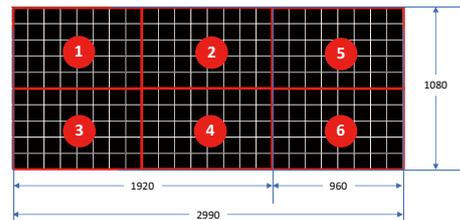
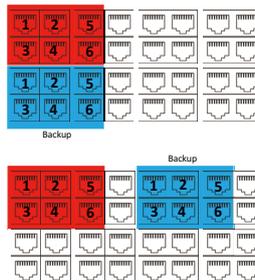


Generate Complete Display Solutions

For rental or multisite roll outs, build a library of LED display assemblies that can be recalled and transported easily.

Configure Freedom & Dynamically

Go beyond conventional pixel resolutions with multi Quatro TX modules for large or multiple display areas.

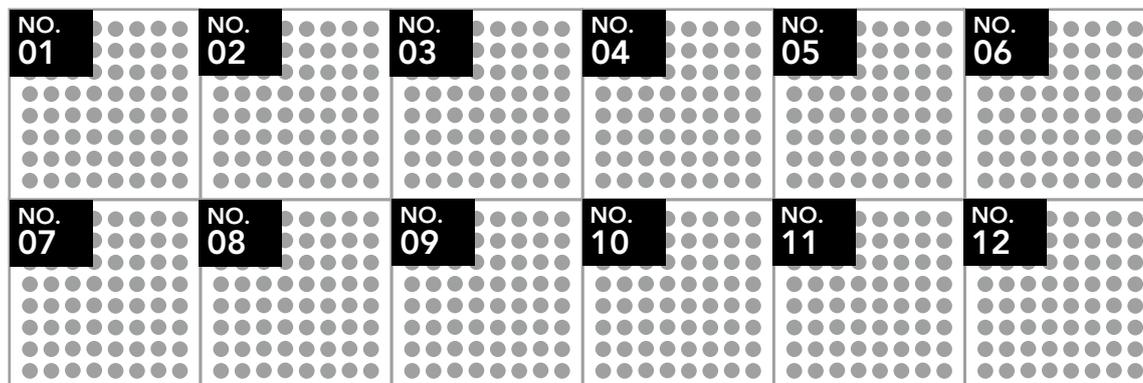


Backup & Loop

Configure backups on any port or slot without the need for additional processing or rack space.

Monitoring and Detect

In configuration see the status of each panel including ID, port, status and resolution. Detect errors and performance of LED panels directly from within XPOSE



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Solutions for Integration & Events

Take advantage of native no-gap Subito modules in a growing range of integrated video and display solutions.



FLEX pro8

The premier solution for larger scale applications requiring up to 18 mega pixels. Fit up to 8 SubtoTX Quatro output modules with support for up to 32 video layers.



GX4

Ideal for single display applications that require ease of use and local tactile operation via the front panel. Connect displays up to 2.6 million pixels.



S4

For conversion of existing systems or standard alone LED display systems, Connect to displays up to 2.6 million pixels.

Solutions for Manufacturers

Take advantage of Subito technologies with Subito RX Receiver Cards in a range of standard formats and configurations to suit panels of all formats.



Leo 3000



Aries 2100



Apollo 2000



Apollo 2001



Apollo 2002



Eos 1100

Deliver Solutions

Subito manufacture partners are able to provide XPOSE with their own profiles defaulted as standard, a solution that allows personalization without the overhead of maintaining OEM software.

Get Certified

The Subito partner program provides a profile build tools, and all certified Subito fitted panels are listed in a common profile library – customers can always access the manufacturer certified profile when using panels in displays.



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* Subito RX Receiver technologies available from select certified manufacturers and OEMs

GX4



No-gap scaling, processing and control

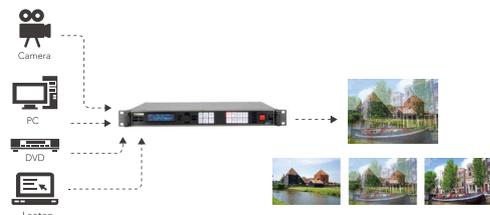
GX4 integrates full-service video processing and LED control into single 1U device with configuration, control and monitoring directly from the front panel. With wide signal support for video, and audio delivering and operating LED displays is efficient and compact.

Features

- Five standard inputs including SDI
- Seamless switching between any input
- RGBlink instant TAKE with pre-Sync
- Transition effects
- Picture-in-Picture (PIP)
- Audio controls
- Optional RGBlink Subito™ Quatro Sender
- Support for up to 2.6 mega pixels
- Support for user-fit input option
- EDID management on board
- On board test patterns
- Support for multi-device cascade
- Compact 1U footprint

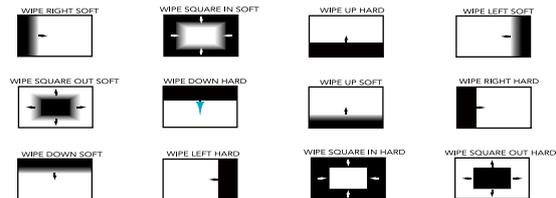
Seamless Switching

GX4 supports seamless switching between any in and any out, and supports TAKE pre-sync for delay free switching and signal confirmation before switch the input signal source.



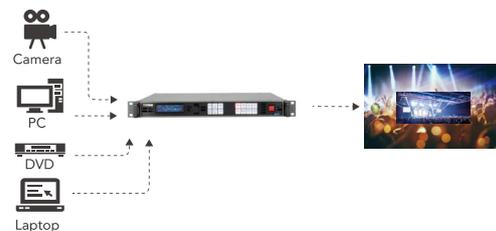
Transition Effects

A range of transition effects are included, allowing different effects when switching between inputs signals.



Picture-by-Picture display

Select any input signal for use as a PIP or configure sources side-by-side as PBP (picture-by-picture) for area of interest display for specific displays. Menu functionality provides quick presets as well as refinements.



SDI as Standard and More

GX4 features five input signals including much in demand 3G-SDI and HDMI. In addition a slot is provided for a user fit input signal of choice. Choose from a wide range of popular signals including SDI, HDMI, HDBaseT, USB Media and more to configure GX4 to a particular application environment.



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Mixed Signal Matrix
- 1 Series
Switcher/Scalers
- T Series
Control Consoles

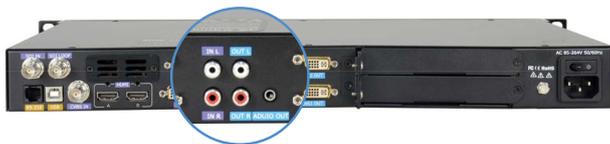
LED Series
LED Control Solutions

- UMS Series
Media Solutions
- RMS Series
Monitoring Solutions
- MSP Series
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- MSP Series
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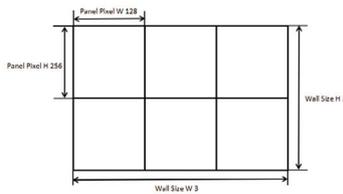
Audio Integrated

GX4 supports both embedded and insert audio with both external output and embedded transmission. The RCA audio output is ideal for de-embedded audio to be connected to dedicated audio systems, while the embedded audio is ideal for transmission of audio together with video to remote LED displays that contain speakers such as in digital signage applications. Integrated audio capabilities on GX4 adds to the processors capabilities as a complete solution.



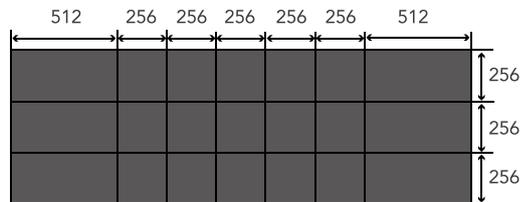
LED Display Configuration

Set up and dynamically configure connected LED displays directly from within the GX4 menu, providing a complete display management solution*.



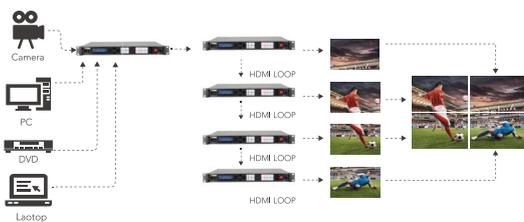
Support Multi-Format Cabinets

Configure LED panels or cabinets of multiple pixel sizes in one connection to support creative and integration applications*.



Multi-Device Splicing

Combine multiple devices linking via HDMI to provide pixel perfect video for splicing multiple displays.



LED Panel Profiles

With an optional Subito Quatro Sender installed, take advantage of library profiles for import and quick configurations.

**Features vary by (optional) LED Control System fitted.*



G3 NET 2K

Truly bringing together integrated video control for LED displays, G3 Net is not only a LED display controller a video scaler and switcher, but enables full remote control and automation via the industry standard Art-Net protocol.

With Art-Net, G3 Net can be controlled from lighting controllers and any device providing Art-Net control. Art-Net networks can be widely distributed over an IP network infrastructure.

RGBlink has implemented an extensive feature set with DMX512 channels to control source switching, scaling, and on board LED Sender Card features directly.

In multi device applications, lighting, media servers, video switching and LED Display can be controlled as one system in a coordinated way.



LED Display Control

Fully integrated LED display and video processing. G3 Net is available for popular ColorLight and Linsn LED Control systems.

Seamless Switching

Switching seamlessly between inputs, regardless of resolution or signal type.

Instant TAKE

Pre-sync next source with the RGBlink unique functionality allowing delay free, instant TAKE.

Transition Effects

G3 Net includes a wide range of built in transition effects including wipes, pushes and pulls. Transition times can be instant (CUT) up to 35 seconds.

PIP

Include a PIP in any position or select a preset. Scale and crop as needed. PIP can be any available source including the active source in use for the main/background source. Swap PIP and background on demand.



Essential Inputs

G3 Net 2K includes DVI, HDMI and SDI inputs. The HDMI with rugged XLR style housing.

Built-in Monitoring

G3 Net includes a colour LCD display for output monitoring or preview monitoring.

Preview Output

A DVI output is included to allow external preview (PVW). This output also supports HDMI signals.

Familiar RGBlink Menu

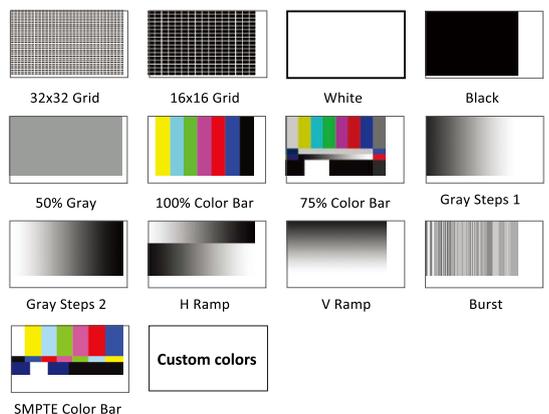
Integrated is the familiar RGBlink menu for navigation of features and settings.

Scale

Scale inputs to output resolution and pixel-by-pixel.

Test Patterns

Choose from a range of built in test patterns to display, enabling finer configuration and tuning of LED display performance.

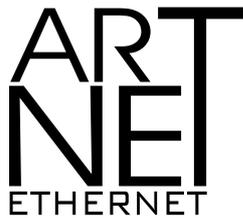




Art-Net On Board

Control G3 Net remotely from an Art-Net enabled controller. Full range of control feature for both video and LED output control are available. Art-Net control features include:

- Input Selection
- Switching/TAKE
- Scaling & Positioning
- Output Mapping
- Brightness
- Contrast
- Saturation
- Colour Adjustment
- Test Pattern Selection
- and lots more.



EDID Management

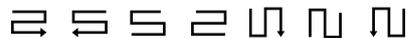
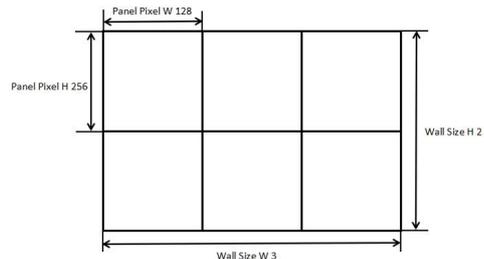
Settings are provided for input EDID configurations.

Direct LED Connection

With LED control integrated within G3 Net, there is no external link cable. Simply connect LED display with CAT5e cable directly to G3 NET. Four output ports to LED displays are provided as industrial EtherCon connectors.

LED Display Configuration

Set up and dynamically configure connected LED displays.



Map

Configure output regions / pixel spaces for each of the outputs.



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UMS Series
Media Solutions



Media Mind – The Platform for Performance Media Software

Demanding media player applications demand high performance computing platforms. Introducing the UMS4 built specifically for use with media server and collaboration software in professional applications.

Featuring an Intel i7 8700 processor and discrete Radeon Pro WX8200 GPU inside, the front panel is dominated by the 7 inch touch screen display with four cassette slots for removable SSD media, while on the rear four DisplayPort 1.2 outputs feature offering up to 8K of standard output. In addition the six USB 3.0 ports, UMS4 is expandable with two slots available for capture cards.

Housed in a robust and proven rack-mountable housing, UMS4 ideal for events and integration applications alike and an ideal media source used in conjunction with RGBlink video wall processors.



Features

- High performance media graphics platform
- Radeon Pro GPU
- Intel i7 "Coffee Lake"
- Internal 256GB SATA SSD
- Quad 4K DisplayPort outputs
- Dual 4K slots for Capture cards
- Windows 10 Pro pre-installed
- RGBlink XPOSE pre-installed
- UMS Launcher App for front panel display
- 4 Slot Cassette for removable media



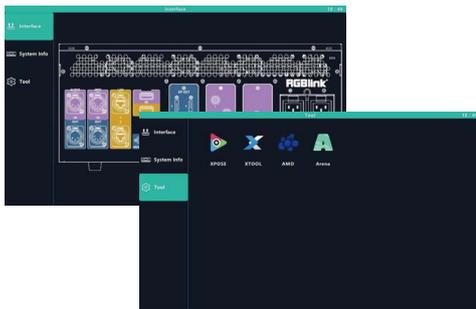
Video Capture Connectivity

Dual slots are provided for the installation of capture cards. Choose from selected Magewell HDMI and SDI options that are independently mounted from the back panel via an RGBlink connector panel to improve reliability and service lift.



Built-in App Launcher

UMS4 includes an app launcher which boots to the front panel display allowing quick and easy way of launching software as well as a range of diagnostics.



High Performance Graphics

The UMS4 is fitted standard with Radeon Pro WX8200 GPU offering up to 8K of output to client media applications. Securely mounted within the UMX4 chassis, for high air flow and maximum protection, Graphics connectivity to the GPU is via the RGBlink Connector Panel which features four full size locking DisplayPort connectors. The UMS4 negates the need for miniDP connections and prevents connector turns and wear, improving performance and reliability of the media delivery platform.



Touch Screen Display

Onboard the UMS4i is a 7in touch screen, making the pc platform fully self-contained and ideal for rack backed installations whether across rental and fixed installation.

BYO Media Application

Install any media server or collaboration software application to UMS4 or choose from preinstalled images from leading vendors via the RGBlink Launcher which loads directly to the inbuilt touch screen for quick access and monitoring. Naturally RGBlink XPOSE for video processor control is installed too along with drives for all options.

BYO Media Content

Conveniently plug-in up to four high performance SATA SSD's with graphics and video media – plug-n-play cassette slots are directly on the front panel for the ultimate in portability.

Built for performance, Built for Reliability

Housed in a 4U texture-ot steel housing with integral 19in rack mounts and rear cable protection, UMS4 is a home in demanding performance applications whether for events or integration. Further, fit UMS4 with a redundant server grade power supply option to maintain up time in any extreme.

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Collaboration Presentation

Run collaboration software application directly on UMS4 and utilise HDMI inputs from laptop and cameras, output to touch screen display and secondary extended displays.



Example: UMS4 with collaboration software taking in laptop and camera sources, then outputting to touch screen display with side LED displays providing an extended canvas or duplication

Broadcast Presentation

Bring together external video feeds with media effects on a software application running on UMS4, output up to four 4K DP signals for downstream video processing and/or display.



Example: UMS4 taking in video feeds from a production switcher, applying graphics then outputting to a video processor which splices and scales the video across an in studio video wall.

4K 60

XPOSE[®]
2.0

Commercial Videowall Installation

Run media player/server software application directly on UMS4 with prerecorded content, output up to four 4K signals directly to 4K native displays panels.



Example: UMS4 with media server software and content output directly to 4K displays with output arrangement via Windows/software

Stage Presentation Events

Run media player/server software application directly on UMS4 with prerecorded content, output up to four 4K signals directly to video processor for scaling and multiple.



Example: UMS4 with media player software and on board content with two 2K outputs connected to an X1 video processor, which in turn allows 1 source to be used as a background and the other as a scaled foreground PIP.



Example: UMS4 with media player software and on board content with two 4K outputs connected to an X3 video processor, which scales the inputs and presents the video sources across multiple 2K outputs in a 2x2 video all configuration.



Example: UMS4 with SDI and HDMI capture cards installed. Media player software outputs content including the SDI and HDMI inputs as 4K DP outputs, these connected to an X7 video processor, which in turn allows a sources to be used as a scaled background and the others as a scaled foreground layers/windows.

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RMS Series Monitoring Solutions

RMS 8424



RMS 5533



Displays to Impress

RMS 1A and RMS 8424 both feature 8in LCD displays in a 16:9 aspect and native resolution of 1024x600 pixels.

Each of three 5in displays in an RMS 5353 also have a 16:9 aspect ratio, while native resolution is 800x480 pixels.

Preview USB

All models include a USB-A input so USB media may be shown on the display, ideal for previewing digital media before use in a media device.

Monitor Audio

RMS 8424 has built in speakers complimenting each display, along with mini Jack sockets, as does RMS5353 allowing monitoring of embedded audio.

Tally Support

The larger models support Tally signals and include signal lights above each LCD display.

Preview Multiple Signal Types

Across the range, all models have support for DVI, HDMI and VGA. The larger RMS 8424 and RMS 5353 also having dedicated Composite in/loop connectors, and optionally 3G-SDI in/loop.

RGBlink preview monitors are the essential accessory whether rack mounted with equipment or used stand-alone. All models offer a wide range of input resolution support up to 4K despite their compact size. Use RMS monitors connected directly supported to video output, or use inline, and loop through the video source.



RMS-4542S

Four 4.5in IPS displays in a single 2U rack mount, RMS-4542S is a compact in-rack monitoring solution for 2K signals, with HDMI, CVBS and SDI on board – all with loop-through. HDMI input port to supports insert and external Audio out sync. EDID management is also on board.



RMS 1A

Compact & Convenient

RMS 1A is the ultimate compact monitor, and ready to work as a monitor block to build for different application.



Desktop Monitor

Complete with desk stand, RMS 1A can be positioned almost anywhere, and with view angle adjustable.

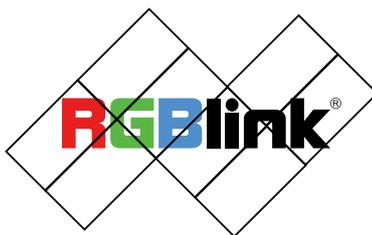
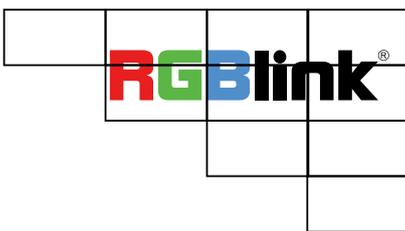
Rack Solution

Add a rack mount accessory to the RMS 1A to conveniently rack mount, in a similar way to the larger models, allowing these monitors to be positioned together with related equipment.



Creative Solution

Monitoring to the wall in different degree and surface, RMS 1A helps to make the creative idea comes true with light demo installation.



RMS 1516

Desktop or rack mounting 4K display, the RMS-1516 15.6in LCD monitor accepts HDMI, VGA, DVI, SDI signal inputs, each with loop. Video with HDR encoding is supported and the monitor is HDCP 1.4 compliant. In addition to full screen preview of a selected signal, RMS1516 also includes a Multiview and has on board picture adjustments including color temperature and flip/mirror.

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MSP Series
Video Tools

MSP 200PRO

Signal Monitor & Generator



Format and Test Pattern Generation are just two of the many features of MSP200pro.

Built in are standard video outputs for 3G-SDI, DVI/HDMI and CVBS. Set the output format from the built-in touch screen display by selecting from a wide range of common formats

Popular test patterns can be easily selected with motion or without, and time code can be generated and displayed allowing inspection frame delay.

MSP200pro also includes a USB media input port as standard – use a MPEG4 or image as a test signal source, opening up many possibilities for producing bespoke testing configurations.

Optional install an SDI or HDMI input module to make use of other external video sources. And EDID management is built right in too .

Preview

Use MSP200pro as a remote preview monitor. Insert USB media for on screen display, and use that media (video or images) for output. Add the optional HDMI or SDI interface and both preview and pass through that external source too.

Genlock

Genlock Y is supported and looped through. If this not used, then MSP200pro can generate Genlock Y or HS/VS.

Wave Form Inspection

Several wave form inspection graphs are available on screen, and in addition graphing of the audio signal can be displayed.

Test Patterns

A range of common test patterns are built in and selectable via the touch screen interface. Motion of a pattern can be turned on/off.

Additional test patterns of test images can be used by setting the input source to the standard USB input, and selecting custom files from USB.

Format Generator

A huge range of industry standard formats for both resolution and refresh are available for selection on board MSP200pro. These set the format for the standard SDI, CVBS and DVI output interfaces.

The DVI port supports HDMI (10bit) as well as VGA, using adapters.

Audio

On board audio is available and output on both the audio jack and to signals that support embedded audio. When using external media (USB or the optional SDI/HDMI), embedded audio is passed through.

Portable

MSP200pro supports battery operation - simply fit standard Li-on batteries to the internal compartment .

Rugged

MSP200pro is designed for the mobile professional. The extended housing helps protect connectors and there is strong glass cover for the touch display. MSP200pro comes complete with case for the ultimate in protection between locations.



MSP 221

EDID Manager



In modern digital video, Extended Display Identification Data(EDID) allows display devices to describe specification information to the video source equipment .

Using MSP 221 can resolve and prevent a number of EDID related issues, ensuring the expected output from a video source device by broadcasting a consistent EDID, even when display devices are switched, re-plugged or re-powered .

Additionally MSP 221 features HDCP tools resolving potential conflict situations when video is output to DVI or VGA equipment.

Connect

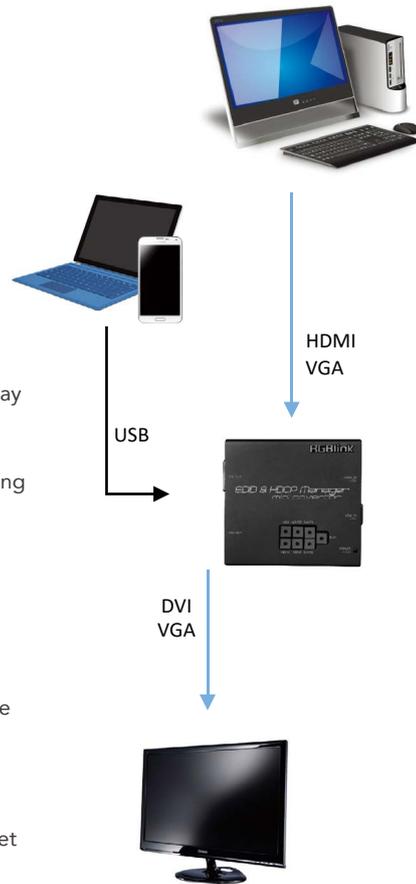
Connect MSP 221 between video source and display device. Input source can be HDMI or VGA (RGBVH). Output to display device is DVI or VGA.

Set

Capture and store EDID information from Display Device for use, or enter and set EDID from the keypad.

Control

RGLink uniquely provides an Android app for set EDID. Connect MSP 221 to an Android device by USB, and configuration is easy with now familiar touch and graphical controls. Additionally Windows® is software is also available for USB connection.



MSP 321

signal generator

Support 4K(3840x2160@60) 12 bit YUV 4:4:4 signal input and output. Offer HDMI,audio SPDIF(Optical) connector. Update by RS232(Service port), compatible with HDCP 2.x/1.x, built-in HDR, EDID function to ensure a high quality and stable outputs.



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MSP Series

Extenders

Extenders – cat5/6



MSP 329 HDMI | H.264 Extender

Extend HDMI signals along with keyboard and mouse (KVM) support to remote displays with the MSP329 Set. HDMI 1.4 signals up to 4K@30 or 4K@60 YUV 4:2:0 may be transmitted via Ethernet. In addition to USB connections, IR support is provided to o via mini Jack connections.



4K | HDR

MSP 330 10G SDVoE Fiber Extender

Encode and transmit HDMI over IP with support for HDMI 2.0b, HDCP, HDR and more

Inputs:

- 1x Optical Fiber In (LC female)
- 1x IR In (3.5mm Stereo Mini-jack)

Outputs:

- 1x HDMI Type A (19-pin female, HDMI 2.0)
- 1x IR Out (3.5mm Stereo Mini-jack)
- 1x RS-232 (3.81mm Phoenix connector)



4K | HDR

MSP 315

The MSP 315 HDMI extender adopts a single CAT5/CAT6 cable, including the Transmit terminal (TX) and Receiving Terminal (RX). A single CAT 5 and CAT6 cable extends the 1080P full HD HDMI signal distance to 100m. The MSP 315 supports lossless audio formats such as 4K*2K (3840*2160@30hz), 1080p full HD resolution, HDCP transmission protocols, high bit rate (HBR) Dolby TrueHD and dts-hd Master.



MG

MSP415 HDMI | HDBaseT Set

Extend HDMI signals over Cat5/6 cables with the MSP415 HDBaseT Extenders. Delivered as a Transmitter and Receiver pair, MSP415 supports signals up to 4K DC I (4096x2160@60Hz) with 8bit YUV 4:4:4 color space and support for HDCP 2.x and HDR technologies.



* MG product may be fitted into MSP Garage



MG

MSP226 – H.264 to HDMI

Easy connection of internet web streams to conventional video processing and display equipment is enabled with MSP 226. Connect H.264 internet streaming via IP to large displays with this decoder.

MSP226 offers two HDMI output channels and dual RJ45 connectors for IP input for connection from LAN/ WAN . Configuration of MSP 226 is made via a web browser interface, providing settings connection to web applications and video streams.



MG

MSP225 – HDMI to H.264

This compact converter provides encoding of HDMI signals to H.264 internet streaming video over IP. Now any video can be streamed to a connected website for viewing, expanding the reach possibilities. MSP225 offers two HDMI input channels and dual RJ45 connectors for IP output and connection to LAN/WAN. Configuration of MSP 225 is made via a web browser interface, providing settings for encoding formats and connection settings for web applications.



MSP325 | H.265 Encoder

Encode HDMI signals for H.265 or H.264 IP streaming transmission with the MSP325. Resolutions up to 1080p are supported with facility for audio insert via the mini Jack port. On board features include OSD and LOGO which can be set via LAN connection along with other settings to configure resolution and bit rate .



MSP326 | H.265 Decoder

Decode H.265 and H.264 IP signals with the MSP326, outputting HDMI, VGA or Composite. Signals up to 4K@30Hz can be decoded. Audio can be extracted separately also, where independent amplification is needed. Configure MSP326 settings from the LAN interface .

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Extenders – Fiber



MG

MSP 209M – Ethernet | Multi Mode Fiber

For Ethernet connections up to 1km, MSP209M is a IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX compliant device set, supporting up to Gigabit Ethernet. MSP 209S is supplied "ready to use".



MG

MSP 209S – Ethernet | Single Mode Fiber

For Ethernet connections up to 10km, MSP209S is a IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX compliant device set, supporting up to Gigabit Ethernet. MSP 209M is supplied "ready to use".



MG

MSP 214 – DVI | Fiber

Delivered as a Transmitter and Receiver set, MSP214 features DVI-I connectors supporting DVI 1.0 signals up to 2560x816@60Hz, 1920x1200@60Hz (WUXGA), and 2048x1200@60Hz. HDMI signals with the use of a adapter are also supported up to HDMI 1.4. With low loss, high bandwidth 10Gbps transmission over fibre optic cable MSP214 provides solution for extended transmission of DVI.



MG

MSP 318 – HDMI 2.0 KVM Fiber Extender Set

Display HDMI 2.0 remotely via an optical fiber extender with USB mouse and keyboard support. Consisting of a transmitter and a receiver pair, connect via an SFP (sold separately) with LC fiber optical cable of choice. Equipped with the corresponding multi-mode or single-mode SFP the transmission range can be up to 60km. MSP318 accepts signals up to 4K@60Hz (YUV 4:4:4) and is HDR and HDCP 2.2 compliant.

In addition to KVM (keyboard, video, mouse) capabilities, MSP318 offers connectivity for bi-directional IR sensors inputs and serial RS232 connectivity.

* MG product may be fitted into MSP Garage



MG

MSP 217 – 3G-SDI | FIBRE

For extended transmission of SDI signals the MSP 217 set of Transmitter and Receiver provide capability for high speeds over long distances with high fidelity and very low loss using fiber optic cable. This extender is suitable for SDI signals conforming to SMPTE 424, SMPTE 292M and SMPTE 259M standards, and supports high bandwidth 10Gbps transmissions at resolutions up to 3G-SDI.



MSP 314-2 – DVI Extender

Extend 2K DVI signals via Fiber optic cable with the MSP314-2 set. This compact, transmitter receiver set plugs directly into DVI ports and is ideal for portable applications.

Integral LC ports allow connection to Fiber cables for transmission up to 300m with multi-mode Fiber or up to 2000m with single mode Fiber. The ultimate in compact signal extension, simply power MSP318-2 from supplied plug-packs.

Resolutions up to 2560x816@60Hz are supported with EDID capture available via push-pin.

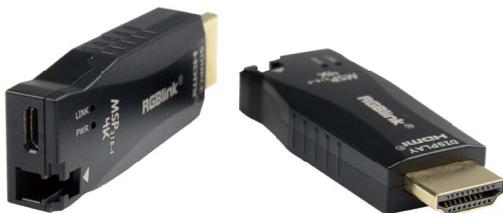


MSP 314-4 – DVI Extender

Extend DVI via Fiber optic cable with the MSP314-4 set. This compact, transmitter receiver set plug directly into DVI ports avoiding the need for additional rack space or shelving with MSP314-4 being ideal for portable applications.

MSP314-4 features integral LC ports – simply connect to a Fiber cable for transmission up to 300m with multi-mode Fiber or up to 2000m with single mode Fiber. Power MSP318-4 from supplied plug-packs.

Resolutions up to 3840x2160@30Hz are supported with EDID copy available via push-pin.



MSP 318-4 – HDMI Extender

Extend HDMI beyond usual limits with the MSP318-4 Fiber extender set. Plug the transmitter directly into an HDMI source, and connect to either single or multi mode fiber optic cable. Similarly connect the receiver directly into an HDMI port on a display or downstream device. Just connect to low voltage power supply (included) at each end, MSP 318-4 is truly compact and ideal for portable applications or where there is restricted space.

MSP314-4 features integral LC ports – simply connect to a Fiber cable for transmission up to 300m with multi-mode Fiber or up to 2000m with single mode Fiber.

HDCP compliant, resolutions up to 3840x2160@30Hz are supported with EDID management available via microUSB.

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MSP Series Signal Convertors

MSP

Signal Convertors



MG

MSP 203 – SDI | HDMI

Up to 3G-SDI input signals are supported on this mini convertor, with an SDI Loop port also provided. Embedded audio may also be used else audio can be inserted as separate L/R analog or as digital AES / EBU inputs. Output to HDMI can be configured as HDMI 1.3 or DVI 1.0. DIP switches provide easy on device configuration, while remote configuration by USB is also available.



MG

MSP 204 – HDMI | SDI

Convert common HDMI signals to SDI (up to 3G-SDI). Audio can be embedded into the SDI output or muted. Audio out split is available via 1/4" mono jack connectors for either analog L/R audio or AES/EBU digital audio. On board configuration via DIP switches is available as is remote configuration over USB.



MG

MSP 303

MSP 303 is a SDI to HDMI video converter supporting 1 x SDI input, 1 x HDMI output. SDI input resolutions available are 480i@60 | 576i | 720p@50/59.94/60 | 1080i@50/59.94/60 | 1080P@23.98/24/25/29.97/30/50/59.94/60. HDMI output resolutions supported are 720x480@60 | 720x576@60 | 1280x720@60 | 1920x1080@23.98/24/25/29.97/30/50/59.94/60.



MG

MSP 304

MSP 304 is a HDMI to SDI video converter with one HDMI input and one SDI output. HDMI connects to sources including 720x480@60 | 720x576@60 | 1280x720@60 | 1920x1080@23.98/24/25/29.97/30/50/59.94/60, while the SDI output supports 7480i@60 | 576i | 720p@50/59.94/60 | 1080i@50/59.94/60 | 1080p@23.98/24/25/29.97/30/50/59.94/60.

* MG product may be fitted into MSP Garage



MSP 305

A 2-in-1 converter, MSP305 offers both an SDI to HDMI converter and independently an HDMI to SDI converter in one compact enclosure. Always have the conversion you need. SDI up to 3G may be input along with HDMI signals up to 2K. MSP305 makes use of a new generation of low-power demand processing, offering lower heat generation and high stability in operation and rapid conversion .

MG



MSP 227 – DVI Cross Converter

Convert input signal resolution for DVI output. Inputs signals supported are DVI, HDMI, VGA and YPbPr. Set the output resolution via DIP switch array. Other configurations use buttons and on screen display. Output up to 1920x1080p@60.



MSP 211 – HDMI | DVI

The HDMI 1.4 standard input converts video signals to DVI and splits the embedded audio out to dual mono 1/4" jacks. Resolution formats supported are 480i, 576i, 480p, 576p, 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p50, 1080p59.94, 1080p60.



MSP422 | HDMI Matrix 4K 2K Converter

Matrix HDMI 2.0 signals with this 4 in 2 out matrix or use as a 4K to 2K converter. Signals up to 4K@30Hz 4:4:4 8bit resolution are supported . MSP422 supports HDR & HDCP 2.2 and with the internal scaler, can scale 4K resolutions to 2K for output. MSP422 includes dedicated audio outputs on RCA, mini Jack and SPDIF.

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Signal Convertors



MSP 210C – CVBS | SDI with Scan Converter

Composite 480i and 576i signals can be converted to SDI with this converter. Audio, as either L/R analog signals or AES/EBU digital audio can be inserted and embedded to the output. SDI output up to 3G-SDI is supported, and a range of scaled/scan converted output are available including 480i, 576i, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz and 1080p@60Hz. Configure by on board DIP switch or PC via USB .



MSP 210D –DISPLAYPORT | SDI with Scan Converter

DisplayPort in VESA formats at 60Hz (800x600, 1024x768, 1280x720, 1280x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900, 1400x1050, 1600x1200, 1680x1050, 1920x1080) can be converted to SDI. L/R audio signals or AES/EBU digital audio can be inserted and embedded. SDI up to 3G-SDI is supported - scaled/scan converted outputs can be set to 480i, 576i, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz and 1080p@60Hz. Configure by on board DIP switch or PC via USB .



MSP210V – VGA | SDI with Scan Converter

VGA in VESA formats at 60Hz (800x600, 1024x768, 1280x720, 1280x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900, 1400x1050, 1600x1200, 1680x1050, 1920x1080) can be converted to SDI. L/R audio signals or AES/EBU digital audio can be inserted and embedded. Up to 3G-SDI is supported - scaled/scan converted outputs can be set to 480i, 576i, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz and 1080p@60Hz. Configure by on board DIP switch or PC via USB.



MSP 210H – HDMI | SDI with Scan Converter

Convert HDMI in VESA formats at 60Hz including 800x600, 1024x768, 1280x720, 1280x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1400x1050, 1440x900, 1600x1200, 1680x1050, 1920x1080 to SDI. L/R audio signals or AES/EBU digital audio can be inserted and embedded. Up to 3G-SDI is supported - scaled/s - can converted outputs can be set to 480i, 576i, 720p@50Hz, 720p@60Hz, 1080i@50Hz, 1080i@60Hz, 1080p@50Hz and 1080p@60Hz with on configuration via on board DIP switch or USB.

* MG product may be fitted into MSP Garage



MSP 311-HDMI 2.0 | Audio De-Embedder

Accepting HDMI signals up to 4K UHD, MSP311 provides separated de-embedded audio to 3.5mm stereo mini-jack and S/PDIF optical outputs allowing for the independent amplification or downstream mix of audio. Digital audio formats, including LPCM 2CH, Dolby TrueHD, Digital Plus, Atmos and DTS-HD Master Audio are supported, with audio sampling up to 192 KHz. Audio decoding selection is available from an on board switch. HDMI signals with HDR (High Dynamic Range) channels are supported and is HDCP 2.2 compliant. CEC pass-through is available too.



MSP 312 – HDMI 2.0 | DisplayPort 1.2

Convert HDMI signals up to 4K to DisplayPort with the MSP312 format converter. Input/output resolutions up to 4K2K@ 50/60hz (YUV 4:4:4) with HDR (High Dynamic Range) are supported. MS312 is HDCP 2.2 compliant. Two MSP312 may be slotted together for convenience (and used in MSP Garage), and there is an optional rack/wall mounting kit.



MSP Garage

Mount MSP range products in the convenient MSP Garage. At 2U, the garage allows secure rack mounting up to 10 devices including space for effective heat dissipation. An integral power supply eliminates the need for individual plug-packs, improving efficiency and reliability particularly where multiple MSP are used.

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soul
home

To the One who has rescued my soul
To the One who has welcomed me home

To the One who has rescued my soul
To the One who has welcomed me home



MSP Series

Signal Distributors

MSP

Signal Distributors



MSP 316H – HDMI 2.0 Distributor

Split HDMI 2.0 signals with this 1-in-2 out compact distributor. Signals up to 4K@60 (24 bit RGB/YUV 4:4:4) including HDR signals may be connected. MSP316H has a built-in balancer, clock and driver features, LPCM 7.1CH, Dolby TrueHD and DTS-HD video and audio are supported and there is intelligent EDID recognition with standard and TV modes. Combine MSP316H in slotted pairs and there is an optional rack/wall mounting kit.



MSP 216 – DVI

In convenient an compact format factor, MSP 216 provides simple 1-in-2 out distribution for DVI signals. MSP216 supports a wide range of resolutions up to 2160p 4K UHD, and EDID configuration can be done via USB connection to the XSET software. High quality gold plated DVI connectors are utilised and signal can be set to 8bit/10bit for HDMI support on DVI using the DIP switches.



MSP 319

A high performance, high stability, high-definition SDI distributor, MSP 319 supports one SDI input and four outputs. SDI in SD-SDI, HD-SDI and 3G-SDI standards can all be used, including with embedded audio. Maximum resolution is 1080p.

MG



MSP316D | HDMI Inline Switcher

Switch between HDMI sources with the compact MSP316 HDMI signal distributor. HDMI resolutions up to 4K DCI (4096x2160@60) with embedded audio are supported along with HDR and HDCP 1.x. Simply press the centre button to select the function.



DXP DP0102

DXP DP0102 is a DP 1.2 one input and two outputs video distributor, which can realize the distribution of 1 x DP1.2 input and 2 x DP1.2 output signals. It supports HDR Ycbcr:4:4:4 technology and 4Kx2K /60Hz resolution. It can be connected and extended to increase the number of display transmissions. It supports the input EDID management with two EDID modes, users can set according to the needs of the application, complete the best quality image allocation without signal loss display.

* MG product may be fitted into MSP Garage

DXP



DXP H0104

DXP H0104 is a HDMI2.0 one HDMI input and four HDMI outputs video distributor, to achieve 1 x HDMI2.0 input and 4 x HDMI2.0 output signals distribution. HDMI2.0 supports HDR Ycbcr:4:4:4 technology and 4Kx2K /60Hz resolution, HDCP2.2, 8 bits /10 bits /12 bits /36 bits /36 bits deep color. It supports input EDID management with two EDID modes, users can set according to the needs of the application, complete the best quality image allocation without signal loss display.



DXP H0108

DXP H0108 is a HDMI2.0 one HDMI input and eight HDMI outputs video distributor to achieve 1 x HDMI2.0 input and 8 x HDMI2.0 output signals distribution. HDMI2.0 supports HDR Ycbcr:4:4:4 technology and 4Kx2K /60Hz resolution, HDCP2.2, 8 bits /10 bits /12 bits /36 bits deep color. It supports input EDID management with two EDID modes, users can set according to the needs of the application, complete the best quality image allocation without signal loss display.



DXP H0404

DXP H0404 is a 4K HD HDMI 2.0 matrix switcher. It is composed of 4 HDMI inputs and 4 HDMI outputs, forming a 4x4 matrix switcher. Each HDMI output contains 1 SPDIF audio output. It supports HDMI2.0 standard, 4kx2k@60hz 4:4:4 resolution at maximum and is compatible with HDCP2.2. It is built in intelligent EDID management with 10 types of EDID data. The device control mode is flexible and diverse, including infrared control, serial control, network control (optional), panel control and flexible control to make it more convenient to use.



DXP D0104

DXP D0104 is a DVI one input and four outputs video distributor. Realizing 1 x DVI input and 4 x DVI output signals distribution which can be extended and increase the number of screen display, input and output support HDTV 1920x1200 (compatible with lower resolution) high resolution image allocation display.



DXP D0108

One in eight out, the DXP D0108 provides distribution for DVI (or HDMI) signals in a reliable compact 1RU form factor. As wide range of standard VESA and SMPTE resolutions are supported, and DXP D0108 is HDCP compliant.



DXP D0404

Providing simply DVI routing in a compact 1RU form factor, each of four outputs can have any one of the four inputs selected / routed to that output. The front panel layout providing a clear visual indication of the routing selected. Additionally, there is a Lock button enabling protection from inadvertent key presses. As with many other products in the DXP range, IR remote control is available, as is remote control via Window® software.

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Accessories

Flightcases



1U Rack Sleeves

Robust yet Lightweight protection for 1U video processors and similar equipment. Standard 19" rack included. Available with 290mm and 390mm internal depths.

2U Rack Sleeves

Protection for 2U video processors and similar equipment. Standard 19" rack included. Available with 320mm and 460mm internal depths.



4U Rack Case

Protection for 3U of 19" rack mounting equipment. Removable covers front and rear, plus heavy duty lifting handles, recessed latches and ball corners. Internal depth 550mm.

8U Rack Case

Protection for 7U of 19" rack mounting equipment. Removable covers front and rear, plus heavy duty lifting handles, recessed latches and ball corners. Internal depth 565mm.

Video Cable

DP to DP Cable



- DisplayPort 1.2 compliant
- Support 4kx2k@60Hz transmission
- Up to 21.6Gbps bit rate
- Multiple strands of 28AWG pure copper core
- 5-Layer anti-interference structure, shielding rate up to 85%
- Detachable protection caps with chain
- 50um plating connectors durable over 1000 repeated plug and unplug
- Stainless stainless screw lock
- Velcro strap for easy storage
- Synchronized audio and video lossless transmission
- Molded connectors with strain relief

DVI to DVI Cable



- Support 3840x2160@30Hz transmission
- 2 x DVI-D male connector
- Multiple strands of 28AWG pure copper core
- 5-Layer anti-interference structure, shielding rate up to 85%
- Detachable protection caps with chain
- 50um plating connectors durable over 1000 repeated plug and unplug
- Stainless stainless screw lock
- Velcro strap for easy storage

Performance	Nominal Impedance	100±10Ω	100±10Ω
	Nominal Capacitance	84±2pF/m	84±2pF/m
	Nominal Velocity of Propagation	2.38 x 105km/s	2.38 x 105km/s
	DC Resistance	195 Ω/km	195 Ω/km
	Dielectric Strength	DC500V <1min	DC500V <1min
Standard	Voltage Rating	30V	30V
	RoHS	Yes	Yes
Environment	Minimum Bend Radius	50mm	50mm
	Working Temperature	-20 °C ~80°C	-20 °C ~80°C
Physical	Dimensions (Net)		Connector / 42.5x40x15.6mm
	Weight (Net)	2m(0.41kg) / 3m(0.59kg) / 5m(0.93kg) / 7m(1.27kg) / 10m(1.79kg) / 15m(2.65kg)	2m(0.41kg) / 3m(0.59kg) / 5m(0.93kg) / 7m(1.27kg) / 10m(1.79kg) / 15m(2.65kg)

HDMI to HDMI Cable



- HDMI 2.0 compliant
- Support 4kx2k@60Hz transmission
- Up to 18Gbps bitrate
- Multiple strands of 28AWG pure copper core
- 5-Layer anti-interference structure, shielding rate up to 85%
- Detachable protection caps with chain
- 50um plating connectors durable over 1000 repeated plug and unplug
- Stainless stainless screw lock
- Velcro strap for easy storage
- Synchronized audio and video lossless transmission
- Molded connectors with strain relief

HDMI to DVI-D Cable



- HDMI 2.0 compliant
- Support 4kx2k@60Hz transmission
- Up to 18Gbps bitrate
- Multiple strands of 28AWG pure copper core
- 5-Layer anti-interference structure, shielding rate up to 85%
- Detachable protection caps with chain
- 50um plating connectors durable over 1000 repeated plug and unplug
- Stainless stainless screw lock
- Velcro strap for easy storage
- Synchronized audio and video lossless transmission
- Molded connectors with strain relief

Performance	Nominal Impedance	100±10Ω	100±10Ω
	Nominal Capacitance	84±2pF/m	84±2pF/m
	Nominal Velocity of Propagation	2.38 x 105km/s	2.38 x 105km/s
	DC Resistance	195 Ω/km	195 Ω/km
	Dielectric Strength	DC500V <1min	DC500V <1min
Standard	Voltage Rating	30V	
	RoHS	Yes	
Environment	Minimum Bend Radius	50mm	50mm
	Working Temperature	-20 °C ~80°C	-20 °C ~80°C
Physical	Dimensions (Net)	Connector / 42mmx21mmx11.4mm	Connector DVI 42.5mmx40mmx15.6mm HDMI 42mmx21mmx11.4mm
	Weight (Net)	2m(0.31kg) / 3m(0.41kg) / 5m(0.60kg) / 7m(0.79kg) / 10m(1.07kg) / 15m(1.53kg)	2m(0.31kg) / 3m(0.41kg) / 5m(0.60kg) / 7m(0.79kg) / 10m(1.07kg) / 15m(1.53kg)

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Mini DP to DP Cable



- Support for 4kx2k@60Hz transmission
- Bi-directional transmission
- 1 x Mini DisplayPort and 1 x DisplayPort connector
- Molded Connectors with strain relief
- Covers connector protection caps

Performance	Nominal Impedance	100±10Ω
	Nominal Capacitance	84±2pF/m
	Nominal Velocity of Propagation	2.38 x 105km/s
	DC Resistance	195 Ω/km
	Dielectric Strength	DC500V <1min
	Voltage Rating	30V
Standard	RoHS	Yes
Environment	Minimum Bend Radius	50mm
	Working Temperature	-20 °C ~80°C
Physical	Weight (Net)	2m / 3m /5m / 7m / 10m / 15m

Mini DP To DVI Adapter



- Thunderbolt 2 Port Compatible
- Transmits video resolution up to 3840x2160@30
- Gold-plated connectors resist corrosion

Mini DP to DP Adapter



- Thunderbolt 2 Port Compatible
- Synchronous transmission of 4k2k@60audio and video
- Lightweight and portable
- Gold-plated connectors resist corrosion

Connectors	Input	Mini DisplayPort Plug		Mini DisplayPort Plug	
	Output	DVI 24+5 Female		DVI 24+5 Female	
Performance	Input Resolution	SMPTE	720p@60 1080p@60 2160p@60		720p@60 1080p@60 2160p@60
		VESA	1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@60 3840x2160@60		1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@60 3840x2160@60
	Output Resolution	SMPTE	720p@60 1080p@60 2160p@30		720p@60 1080p@60 2160p@30
		VESA	1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@30 3840x2160@30		1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@30 3840x2160@30
Supported Standard	DisplayPort 1.2			DisplayPort 1.2	
	DVI Dual Link				
Physical	Weight	0.03kg		0.025kg	
	Dimension	235+10mm		150+10mm	

Mini DP to HDMI Adapter



- Synchronous transmission of 4k2k@60 audio and video
- Support high dynamic range image transmission
- HDCP 2.2 compliant
- Jitter cleaning

Connectors	Input	Mini DisplayPort	
	Output	HDMI-A Female	
Performance	Input Resolution	SMPTE	720p@60 1080p@60 2160p@60 4320p
		VESA	1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@60 3840x2160@60 1920x1080@60 2540x1440@60 3480x2048@60 3840x2160@60
	Output Resolution	SMPTE	720p@60 1080p@60 2160p@60
		VESA	1280x720@60 1360x768@60 1366x768@60 1600x900@60 1920x1080@60 2540x1440@60 3480x2048@60 3840x2160@60
Supported Standard	DisplayPort 1.4		
	HDMI 2.0		
Physical	Weight	0.025kg	
	Dimension	230x45x6mm	



Cat6 Cable

- Durable break-resistant connector
- Copper terminals with anti-oxidation Nickel & Gold plating
- Easy to see fluorescent connector boot
- Extra wide latch for quick connection/removal
- Dual PVC jackets with high strength and heat resistance
- Pure copper wire core, each formed by 7 independent wire to conduct with low resistance
- 50um plating connectors durable over 1000 repeated plug and unplug
- Velcro strap for easy storage

Conductor	Wire Gauge	24AWG
	Material	Bare Copper Twisted Pair
	Cord Size	7/0.2/BC+0.008
Insulation	Avg.Thickness	0.2mm
	Min.Thickness	0.16mm
	Material	HD-PE
	Color	Orange*White/Orange, Green*White /Green, Blue*White/Blue, Brown*White/Brown
	Diameter	0.98+0.03mm
Jacket	Avg.Thickness	0.6+0.05mm
	Material	110P Matte
	Diameter	6.0+0.015mm
Physical	1.2m / 3m / 10m / 20m / 30m	



Optical fiber cable

- 2/4/6 core outdoor optical fiber cable
- LC/SC/ST connectors to choose
- Multi-mode and single mode fiber to choose
- Extra wide latch for quick connection/removal
- Stainless steel metal tube, Kevlar tensile, stainless steel metal braiding, TPU Jacket
- G657 compliant optic fiber, excellent stretchability and anti-bending feature
- TPU jacket to prevent mice biting
- Working temperature -40~80°C
- Fit for rental application
- Optional cable reel for easy storage

Connectors	Input	LC/SC/ST		LC/SC/ST		LC/SC/ST				
	Output	LC/SC/ST		LC/SC/ST		LC/SC/ST				
Performance	Tensile	Long Term	300N	Long Term	300N	Long Term	300N			
		Short Term	600N	Short Term	600N	Short Term	600N			
	Crush	Long Term	2000N/100mm	Long Term	2000N/100mm	Long Term	2000N/100mm			
		Short Term	3000N/100mm	Short Term	3000N/100mm	Short Term	3000N/100mm			
	Bending Radius	Dynamic	20D	Dynamic	20D	Dynamic	20D			
		Static	10D	Static	10D	Static	10D			
	Cable loss	Single Mode	1310nm	≤0.4db/KM	Single Mode	1310nm	≤0.4db/KM	Single Mode	1310nm	≤0.4db/KM
			1500nm	≤0.3db/KM		1500nm	≤0.3db/KM		1500nm	≤0.3db/KM
Multiple Mode		850nm	≤0.4db/KM	Multiple Mode	850nm	≤0.4db/KM	Multiple Mode	850nm	≤0.4db/KM	
		1310nm	≤0.3db/KM		1310nm	≤0.3db/KM		1310nm	≤0.3db/KM	
Environment	Temperature	-40~80°C		-40~80°C		-20~75°C				
Physical	No.of Fibers	2		4		6				
	Size	3.3mm		5.0mm		5.0mm				

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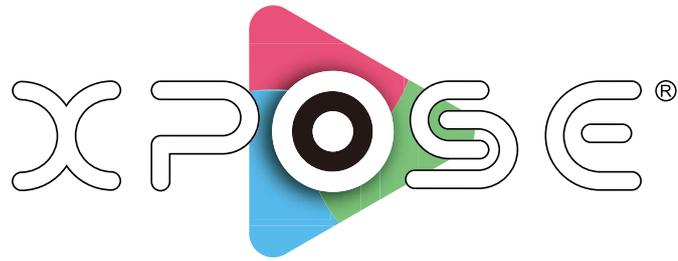
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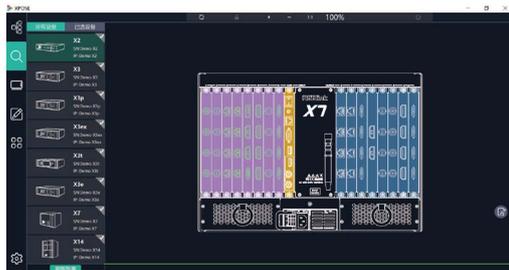
Contact



Modern software app for universal processors and more. XPOSE redefines what control of video processors can be XPOSing advanced features with an intuitive UI so that the real power of processors across the range can be taken full advantage of.

Single App

XPOSE provides remote control and configuration for all the modern RGBlink universal and presentation products. One app - XPOSE - is all that is needed from the everyday X1 to the large scale X14.

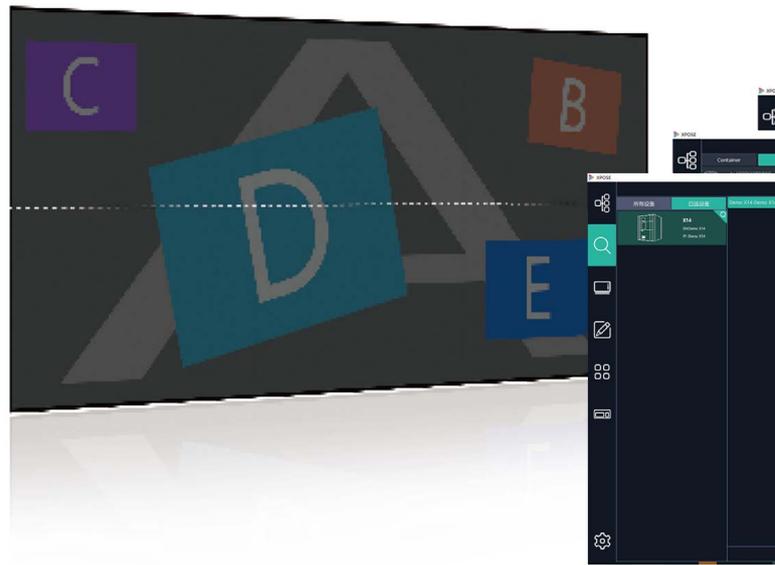


Modern Tools

XPOSE provides remote control and configuration in rich graphical interface that supports not only traditional mouse and keyboard, but is touch friendly too.

Control Your Way

Regardless of your OS favourite, Windows, macOS or Linux, there is an XPOSE edition. XPOSE, while respecting the standards on each OS platform, is the same, with a common underlying code base for enhanced compatibility and harmonisation.



Flexible Connections

Many of our modern products support LAN based connections. XPOSE naturally supports this mode of connectivity across either wired or wireless networks. And XPOSE also supports both USB and serial connections where those type are available on the video processor.

Topology from Top to Bottom

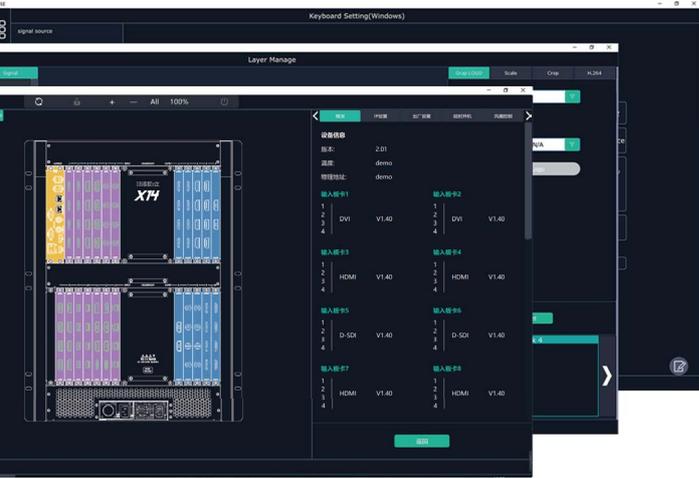
- Hands on as you open package.
- Step 1: Read In & Out out for the device once you open the package;
- Step 2: Connect inputs and outputs just like your connection;
- Step 3: Double check the connection by online synchronization;
- Step 4: Set the display area to be ready for the layers;
- Step 5: Playout by manual or schedule;
- Step 6: Monitoring all in one.

Share Settings

Save settings to a disk file for later recall, or sharing to other users.

Designed for Presentation Processors

While presentation processors have on board control with OLED displays, and large tactile buttons, there are many situations where it may be desirable to either remote control or simply create configurations from computer.



Designed for Universal Processors

XPOSE is the essential application for configuration of the RGBlink range of universal video processors – X series, F series, D series and so on. Whether configuration for an installation monitoring or dynamic control.



Developing Platform

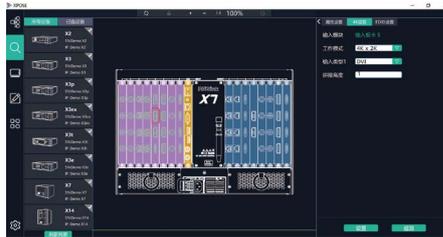
XPOSE is under constant development, with enhancements and features regularly being added. The RGBlink team embracing DevOps to bring new releases to customers sooner.

Virtual Canvas

Position output displays (monitors) on a virtual canvas pixel-by-pixel. On a separate layer, then place video sources dynamically, position as required.

4K Support

Configuration of 4K sources is made easy with multiple configuration possibilities.



Complex Layouts

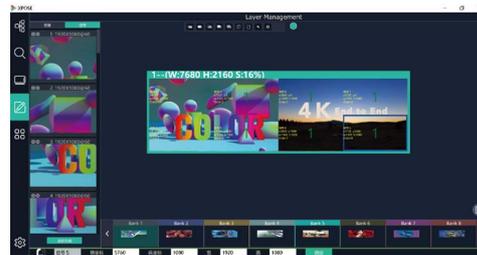
Sophisticated configurations are possible with not only pixel-to-pixel scaling of input sources, but also extensive output controls including advanced EDID and rotation capabilities.

Drag 'n' Drop

Drag and Drop both sources and output monitors onto the virtual canvas. Group sources on the canvas for ease of control and identification.

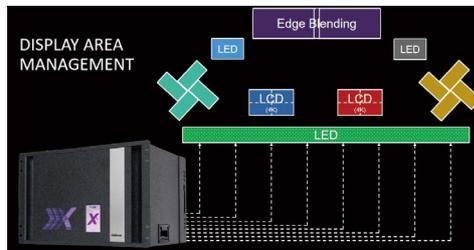
Live Video Preview

See preview of sources directly in XPOSE. Selected processors with H.264 IP streaming enable this features which can be a powerful monitoring tool.



Multi-Mode Operations

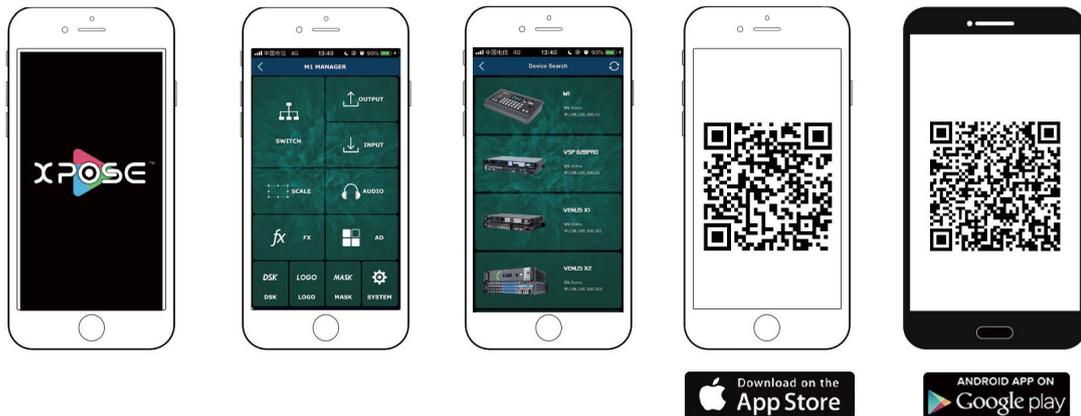
XPOSE supports all the multi-mode operations available on the connected processor.



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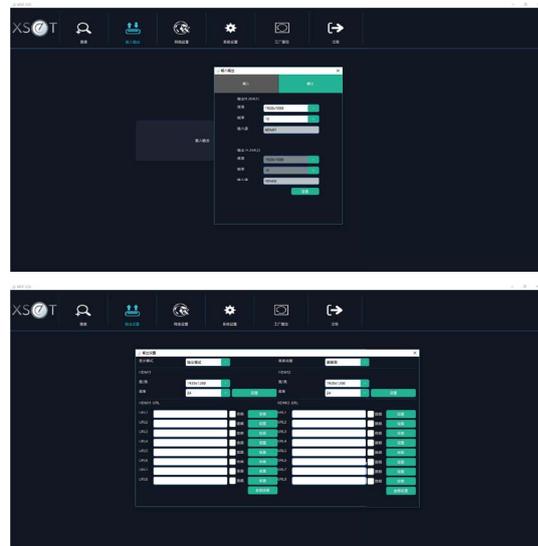
XPOSE Mobile, fully developed in house by the RGBlink team provide a convenient remote control and configuration of universal and presentation processors.



Configure and monitor selected MSP series products.

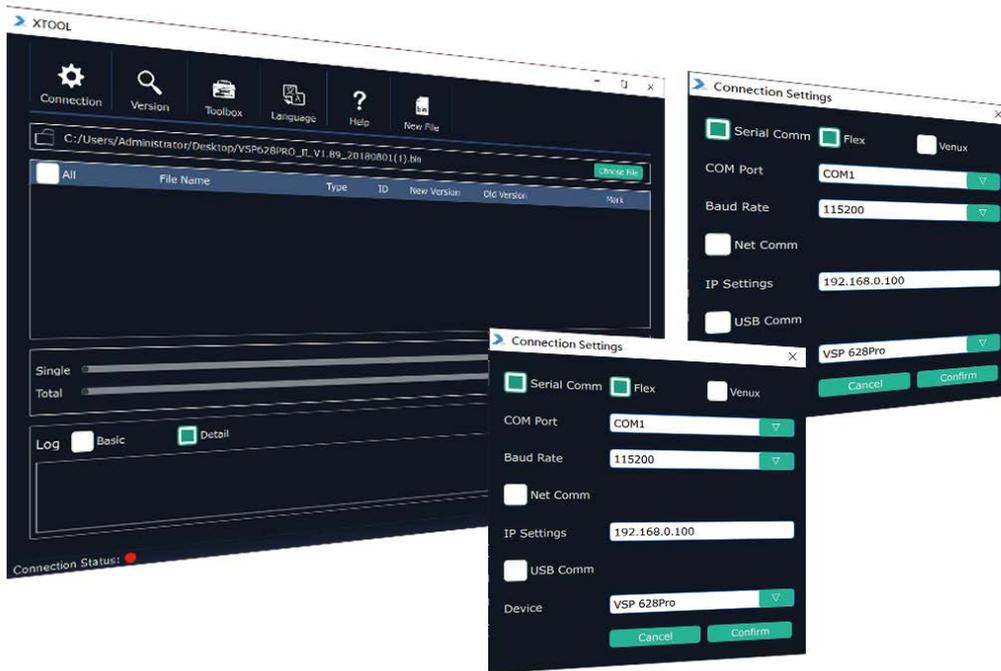
Control for MSP

An easy to use stand-alone tool, XSET uses LAN or USB connections. Product such as the MSP225 and MSP226 can be fully configured via LAN, for example.



XTOOL

XTOOLS is the simple and modern way to update and install features to RGBlink products.



Consistent Updates

With one update package format, one app, the update process is streamlined, familiar and consistent, for greater confidence and reliability.

Common Update Tool

All RGBlink modern processors are updatable from XTOOLS. Simply download the update package from the website, and select the update from within XTOOLS to start.

Review & Update

Connect a processor to review the version status for individual components of the processor. The interface will advise differences allow clear upgrading or even downgrading. XTOOLS reports status and prompts for any actions.

Packaged Updates

Each update package is self contained with all necessary files. The full range of selected updates are done within XTOOLS.

Upload Features

XTOOL is the app to prepare for install a range of configurable on device features, with a wizard style interface .

OSD

Configure OSD (On Screen Text) for loading on to products such as M2 or M3.

STILL

Load and prepare STILL BMP files and set transparency (alpha).

LOGO

Load and prepare LOGO BMP files.

MASK

Load and prepare MASK BMP files.

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Common Terminology

- SDI** Video signal standardized in SMPTE 424M that uses a single serial link at 2 Gbit/s for uncompressed transmission of video with embedded audio. Connector is BNC.
- CVBS** CVBS or Composite video, is an analog video signal without audio. Most commonly CVBS is used for transmission of standard definition signals. In consumer applications the connector is typically RCA type, while in professional applications the connector is BNC type.
- DVI** Digital Visual Interface. The digital video connectivity standard that was developed by DDWG (Digital Display Work Group). This connection standard offers two different connectors: one with 24 pins that handles digital video signals only, and one with 29 pins that handles both digital and analog video.
- HDMI** High Definition Multimedia Interface: An interface used for the transmission of uncompressed high definition video, up to 8 channels of audio, and control signals, over a single cable.
- DisplayPort** A VESA standard interface primarily for video, but also for audio, USB and other data. DisplayPort (orDP) is backwards compatible with HDMI, DVI and VGA.
- VGA** Video Graphics Array. VGA is an analog signal typically used on earlier computers. The signal is non-interlaced in modes 1, 2, and 3 and interlaced when using in mode 4.
- YPbPr** Used to describe the colour space for progressive-scan. Otherwise known as component video.
- BNC** Stands for Bayonet Neill-Concelman. A cable connector used extensively in television (named for its inventors). A cylindrical bayonet connector that operates with a twist-locking motion.
- RCA** Connector used primarily in consumer AV equipment for both audio and video. The RCA connector was developed by the Radio Corporation of America.
- NTSC** The colour video standard used in North America and some other parts of the world created by the National Television Standards Committee in the 1950s. NTSC utilizes an interlaced video signal.
- PAL** Phase Alternate Line. A television standard in which the phase of the colour carrier is alternated from line to line. It takes four full images (8 fields) for the colour-to-horizon - talimages (8 fields) for the colour-to-horizontal phase relationship to return to the reference point. This alternation helps cancel out phase errors. For this reason, the hue control is not needed on a PAL TV set. PAL, is widely used in Western Europe, Australia, Africa, the Middle East, and Micronesia. PAL uses 625-line, 50-field (25 fps) composite colour transmission system.
- SMPTE** Society of Motion image and Television Engineers. A global organization, based in the United States, that sets standards for baseband visual communications. This includes film as well as video and television standards.
- VESA** Video Electronics Standards Association. An organization facilitating computer graphics through standards.
- Brightness** Usually refers to the amount or intensity of video light produced on a screen without regard to colour. Sometimes called black level.
- Colour Bars** A standard test pattern of several basic colours (white, yellow, cyan, green, magenta, red, blue, and black) as a reference for system alignment and testing. In NTSC video, the most commonly used colour bars are the SMPTE standard colour bars. In PAL video, the most commonly used colour bars are eight full field bars. On computer monitors the most commonly used colour bars are two rows of reversed colour bars.

Colour Temperature The colour quality, expressed in degrees Kelvin (K), of a light source. The higher the colour temperature, the bluer the light. The lower the temperature, the redder the light. Benchmark colour temperature for the A/V industry include 5000°K, 6500°K, and 9000°K.

Gamma The light output of a CRT is not linear with respect to the voltage input. The difference between what you should have and what is actually output is known as gamma.

Genlock Allows synchronisation of otherwise video devices. A signal generator provides a signal pulses which connected devices can reference. Also see Black Burst and Color Burst.

Colour Burst In colour TV systems, a burst of subcarrier frequency located on the back part of the composite video signal. This serves as a colour synchronizing signal to establish a frequency and phase reference for the Chroma signal. Colour burst is 3.58 MHz for NTSC and 4.43 MHz for PAL.

Contrast Ratio The ratio of the high light output level divided by the low light output level. In theory, the contrast ratio of the television system should be at least 100:1, if not 300:1. In reality, there are several limitations. Well-controlled viewing conditions should yield a practical contrast ratio of 30:1 to 50:1.

Frame In interlaced video, a frame is one complete image. A video frame is made up of two fields, or two sets of interlaced lines. In a film, a frame is one still image of a series that makes up a motion image.

Blackburst The video waveform without the video elements. It includes the vertical sync, horizontal sync, and the Chroma burst information. Blackburst is used to synchronize video equipment to align the video output.

PIP Picture-In-Picture. A small image within a larger image created by scaling down one of image to make it smaller. Other forms of PIP displays include Picture-By-Picture (PBP) and Picture- With-Picture (PWP), which are commonly used with 16:9 aspect display devices. PBP and PWP image formats require a separate scaler for each video window.

Seamless Switching A feature found on many video switchers. This feature causes the switcher to wait until the vertical interval to switch. This avoids a glitch (temporary scrambling) which often is seen when switching between sources.

Scaling A conversion of a video or computer graphic signal from a starting resolution to a new resolution. Scaling from one resolution to another is typically done to optimize the signal for input to an image processor, transmission path or to improve its quality when presented on a particular display.

Saturation Chroma, Chroma gain. The intensity of the colour, or the extent to which a given colour in any image is free from white. The less white in a colour, the truer the colour or the greater its saturation. Saturation is the amount of pigment in a colour, and not the intensity.

HDBaseT A video standard for the transmission of uncompressed video (HDMI signals) and related features using Cat 5e/Cat6 cabling infrastructure.

HDCP High-bandwidth Digital Content Protection (HDCP) was developed by Intel Corporation and is in wide use for protection of video during transmission between devices.

MPEG Moving Picture Experts Group is a working group formed from ISO and IEC developing standards that allow audio/video digital compression and Transmission.

RTSP The Real Time Streaming Protocol (RTSP) is a network control protocol designed for use in entertainment and communications systems to control streaming media servers. The protocol is used for establishing and controlling media sessions between end points.

RTMP Real-Time Messaging Protocol (RTMP) was initially a proprietary protocol developed by Macromedia (now Adobe) for streaming audio, video and data over the Internet, between a Flash player and a server.

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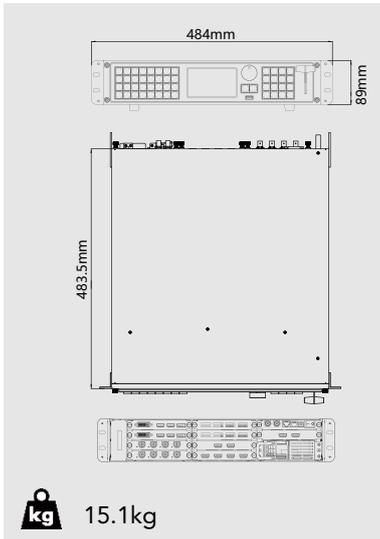
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Common Terminology

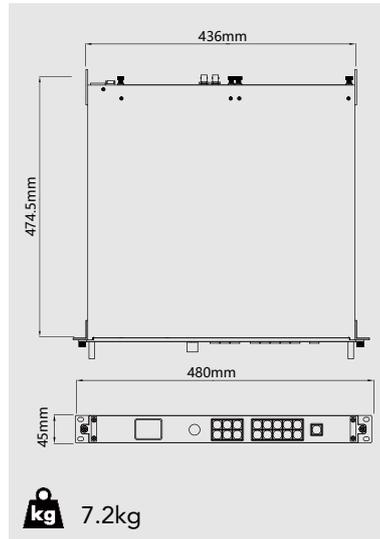
- SDVoE** Software Defined Video over Ethernet (SDVoE) is a method for transmission, distribution and management AV signals using a TCP/IP Ethernet infrastructure for transport with low latency. SDVoE is commonly used in integration applications.
- NDI** Network Device interface (NDI) is a software standard developed by NewTek to enable video-compatible products to communicate, deliver, and receive broadcast quality video in a high quality, low latency manner that is frame-accurate and suitable for switching in a live production environment over TCP (UDP) Ethernet based networks. NDI is commonly found in broadcast applications.
- ST2110** A SMPTE developed standard, ST2110 describes how to send digital video over and IP networks. Video is transmitted uncompressed with audio and other data in a separate streams. SMPTE2110 is intended principally for broadcast production and distribution facilities where quality and flexibility are more important.
- Dante AV** The Dante protocol was developed for and widely adopted in audio systems for the transmission of uncompressed digital audio on IP based networks. The more recent Dante AV specification includes support for digital video.
- H.264** Also known as AVC (Advanced Video Coding) or MPEG-4i is a common video compression standard. H.264 was standardized by the ITU-T Video Coding Experts Group (VCEG) together with the ISO/IEC JTC1 Moving Picture Experts Group (MPEG).
- H.265** Also known as HEVC (High Efficiency Video Coding) H.265 is the successor to the widely used H.264/AVC digital video coding standard. Developed under the auspices of ITU, resolutions up to 8192x4320 may be compressed.
- UHD** Standing for Ultra High Definition and comprising 4K and 8K television standards with a 16:9 ratio, UHD follows the 2K HDTV standard. A UHD 4K display has a physical resolution of 3840x2160 which is four times the area and twice both the width and height of a HDTV/FullHD (1920 x1080) video signal.
- API** An Application Programming Interface (API) provides a predefined function which allows access capabilities and features or routines via a software or hardware, without accessing source code or understanding the details of inner working mechanism. An API call may execute a function and/or provide data feedback/report.
- DMX512** The communication standard developed by USITT for entertainment and digital lighting systems. The wide adoption of the Digital Multiplex (DMX) protocol has seen the protocol used for a wide range of other devices including video controllers. DMX512 is delivered over cable of 2 twisted pairs with 5pin XLR cables for connection.
- ArtNet** An ethernet protocol based on TCP/IP protocol stack, mainly used in entertainment/events applications. Built on the DMX512 data format, ArtNet enables multiple “universes” of DMX512 to be transmitted using ethernet networks for transport.
- MIDI** MIDI is the abbreviation of Musical Instrument Digital Interface. As the name indicates the protocol was developed for communication between electronic musical instruments and latterly computers. MIDI instructions are triggers or commands sent over twisted pair cables, typically using 5pin DIN connectors.
- OSC** The principle of Open Sound Control (OSC) protocol is for networking sound synthesizers, computers, and multimedia devices for musical performance or show control. As with XML and JSON, the OSC protocol allows sharing data. OSC is transported via UDP packets between devices connected on an Ethernet. network.
- HEVC** Also known as H.265, High Efficiency Video Coding (HEVC), is the successor to the widely used H.264/AVC digital video coding standard. Developed under the auspices of ITU, resolutions up to 8192x4320 may be compressed.
- EDID** Extended Display Identification Data. EDID is a data structure used to communicate video display information, including native resolution and vertical interval refresh rate requirements, to a source device. The source device will then output the provided EDID data, ensuring proper video image quality.

Dimensions

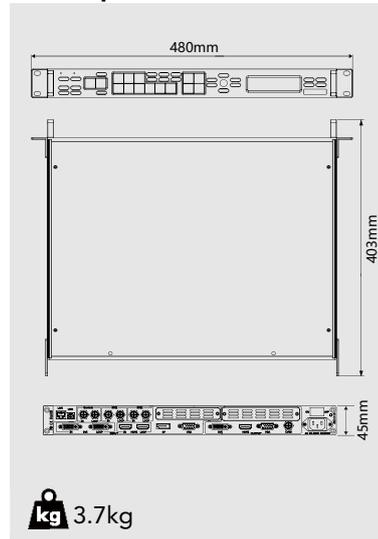
D6



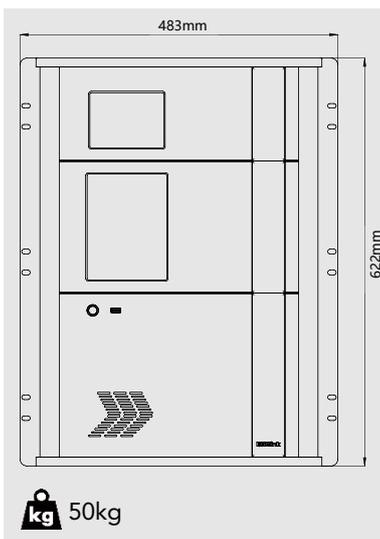
D4



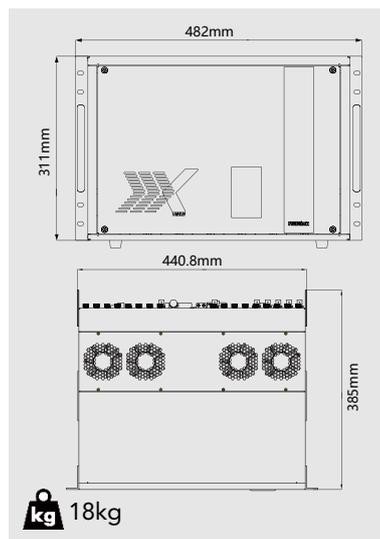
VSP628pro



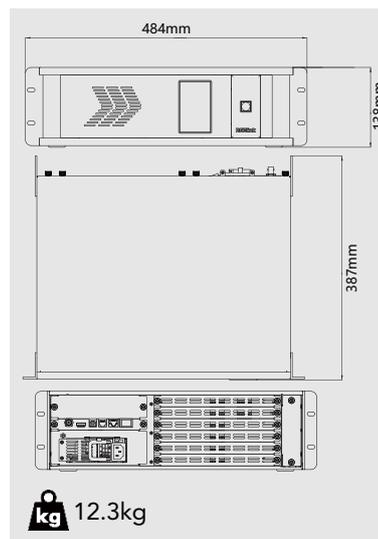
X14



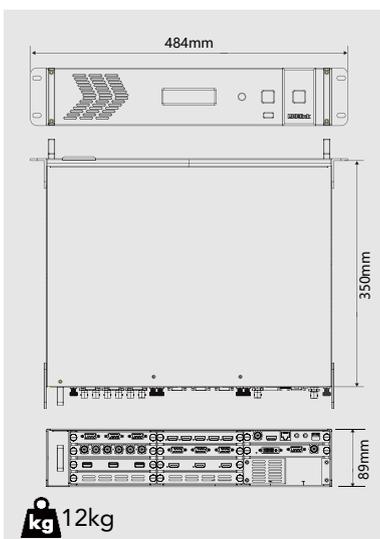
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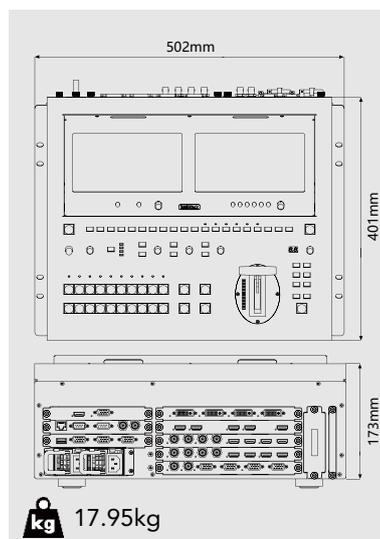
X3



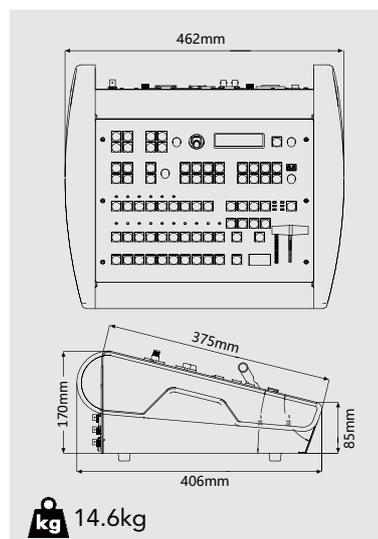
X2



M3



M2



D Series
Digital Processors

X Series
Universal Processors

M Series
Mixing & Scaling

FLEXpro Series
Videowall Control

FLEX Series
Mixed Signal Matrix

1 Series
Switcher/Scalers

T Series
Control Consoles

LED Series
LED Control Solutions

UMS Series
Media Solutions

RMS Series
Monitoring Solutions

MSP Series
Video Tools

MSP Series
Extenders

MSP Series
Signal Convertors

MSP Series
Signal Distributors

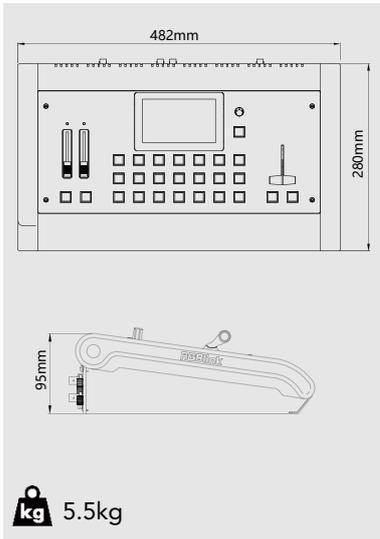
Accessories

Software

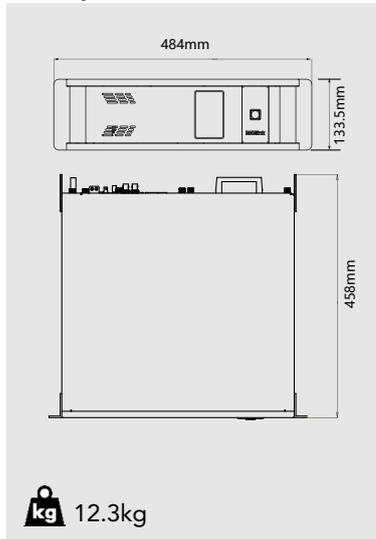
Reference

Contact

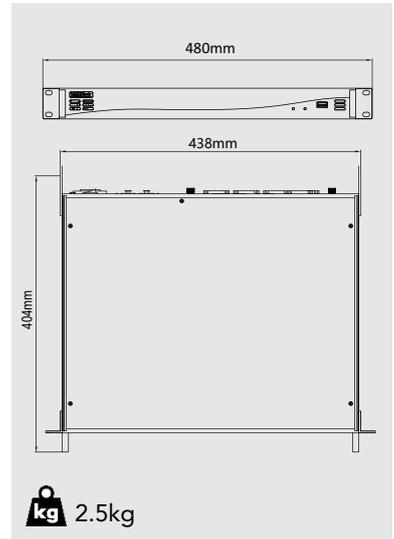
M1



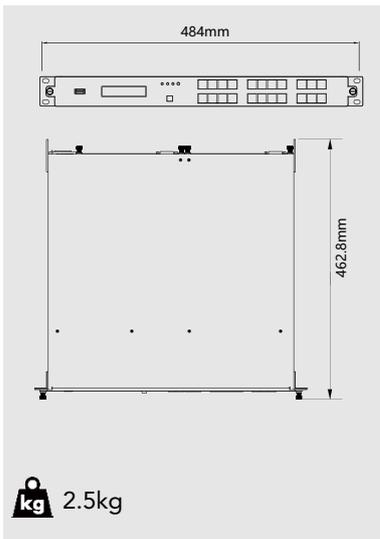
FLEX pro8



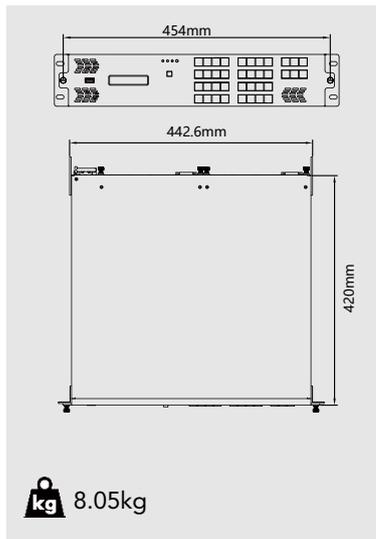
FLEX RS1



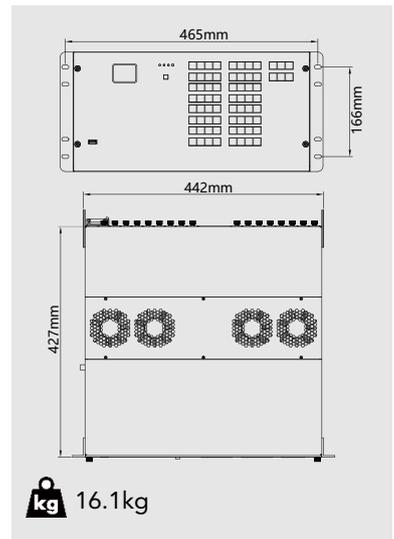
FLEX 8



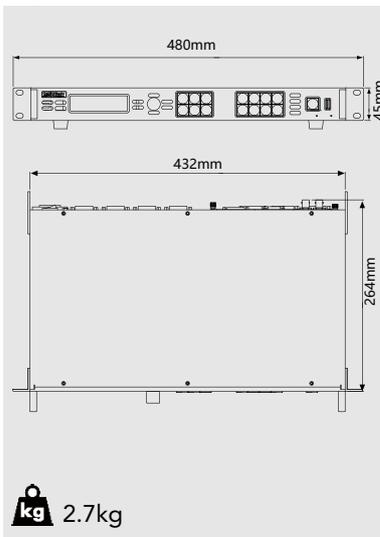
FLEX 16



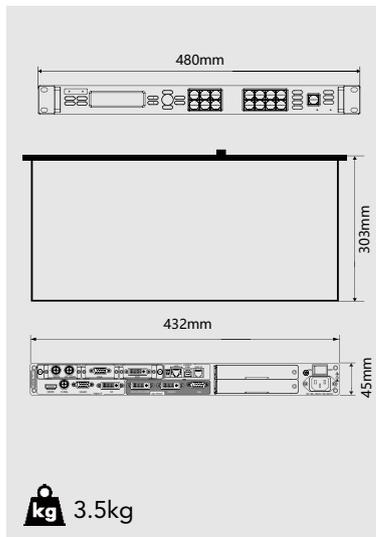
FLEX 32



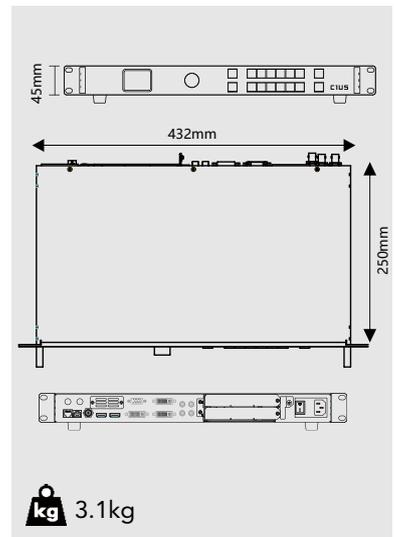
X1 proe



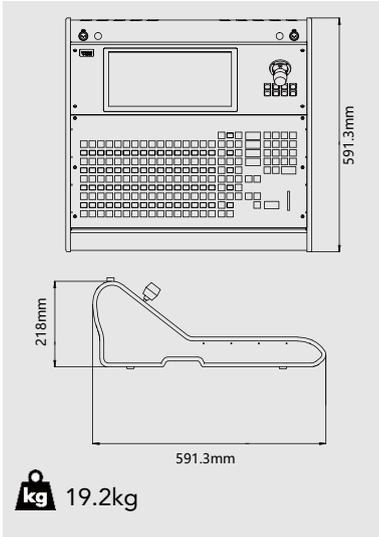
X1



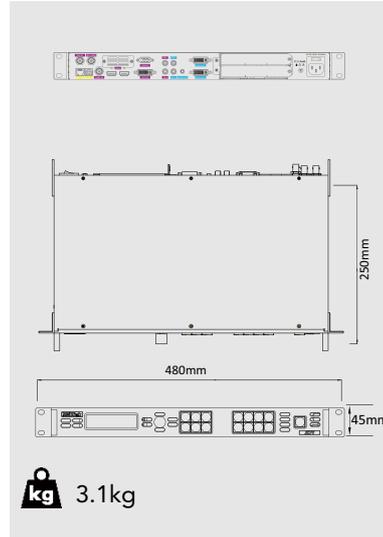
C1US



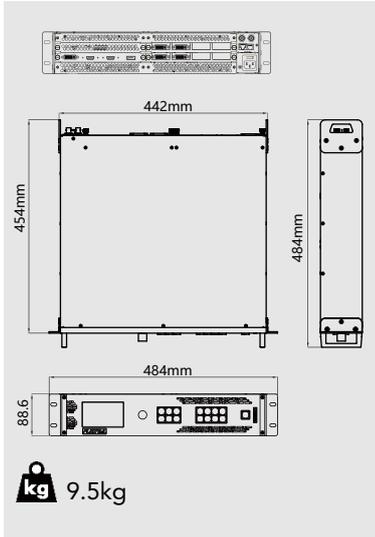
T1



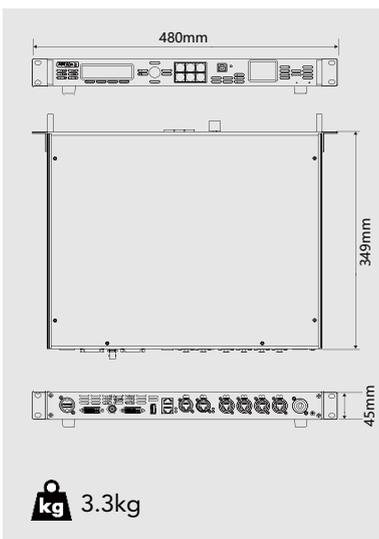
GX4



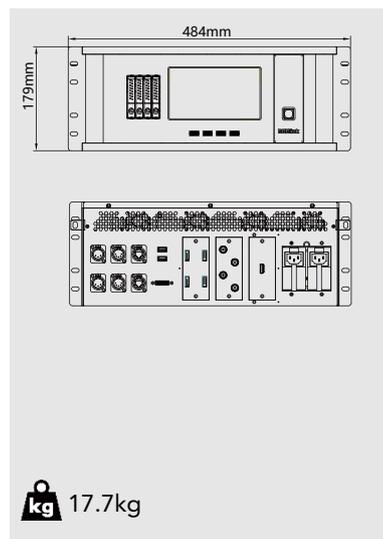
FLEX 4ml



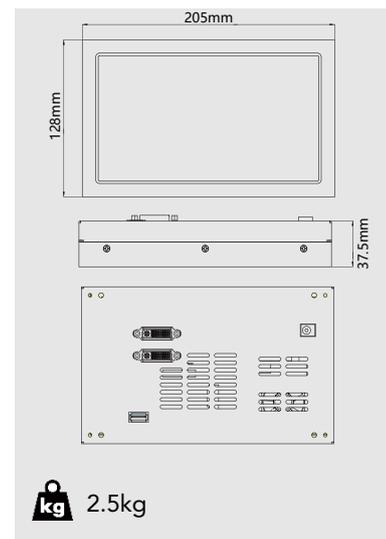
G3 NET 2K



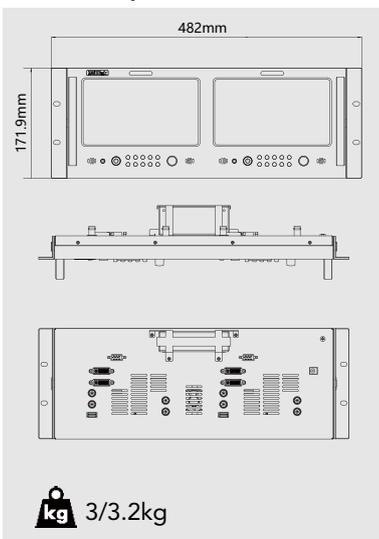
UMS4



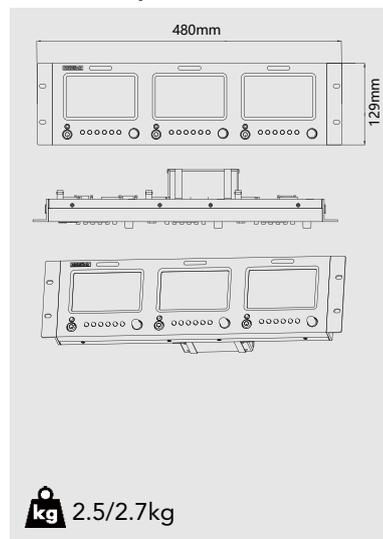
RMS-1A



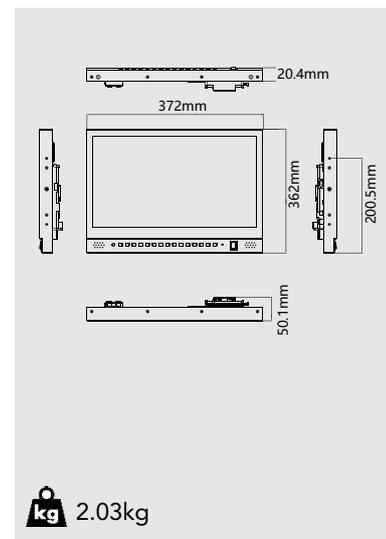
RMS 8424 | RMS 8424S



RMS 5533 | RMS 5533S

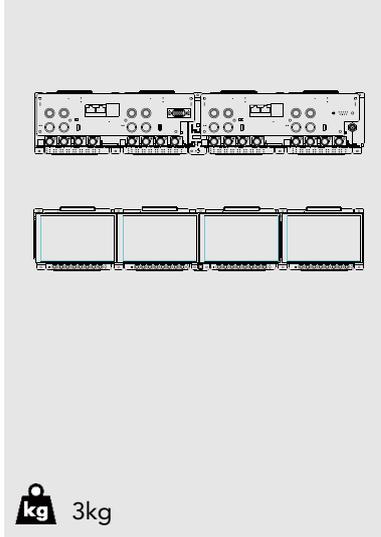


RMS 1516

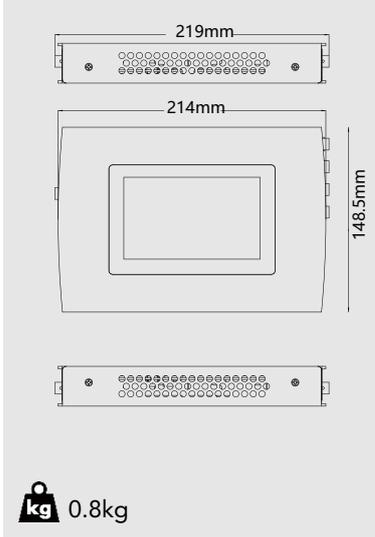


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- Contact

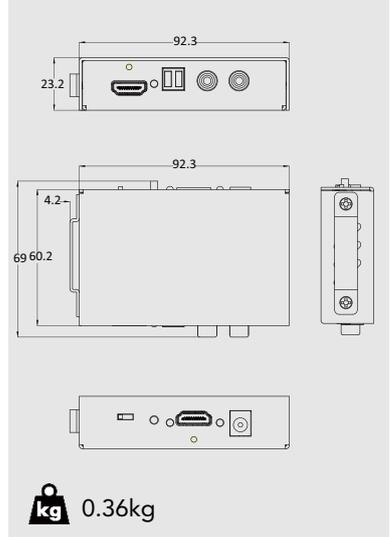
RMS 4542S



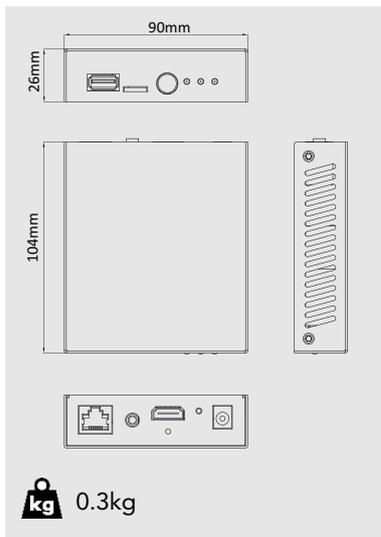
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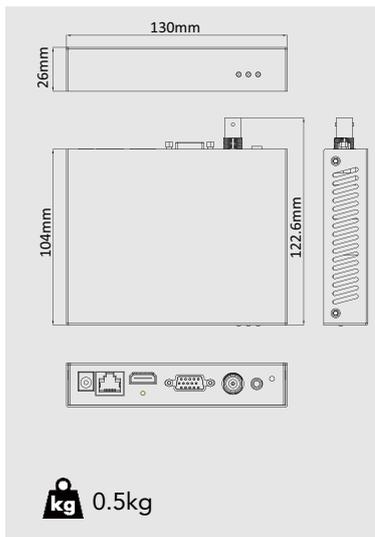
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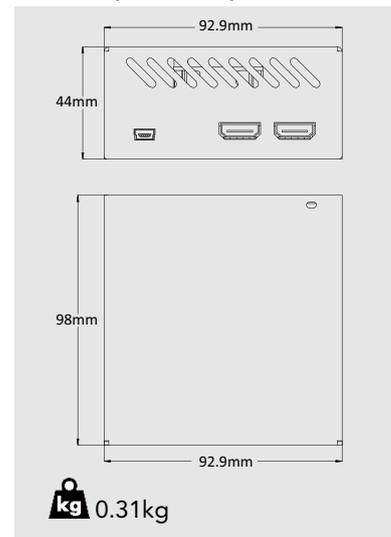
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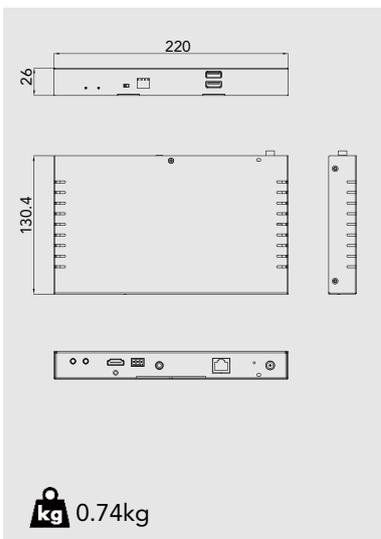
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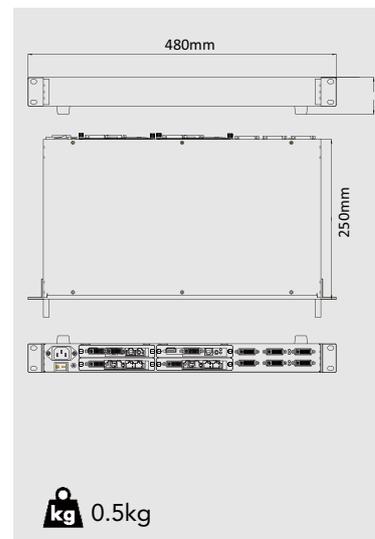
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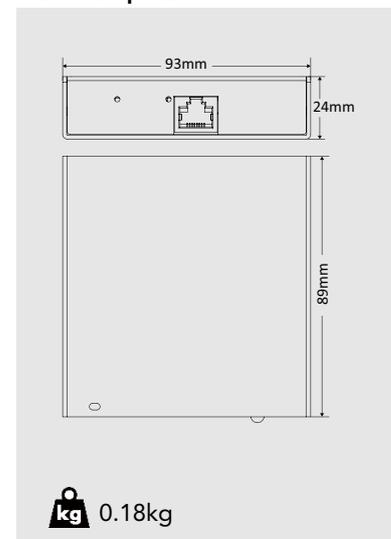
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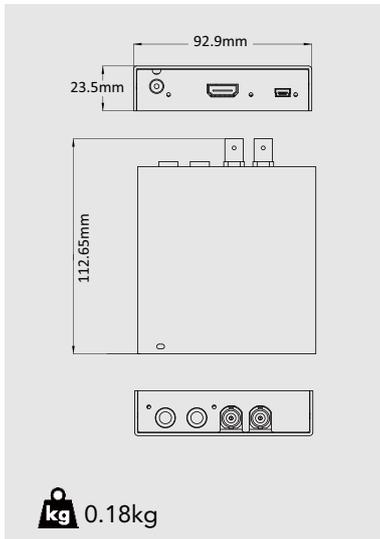
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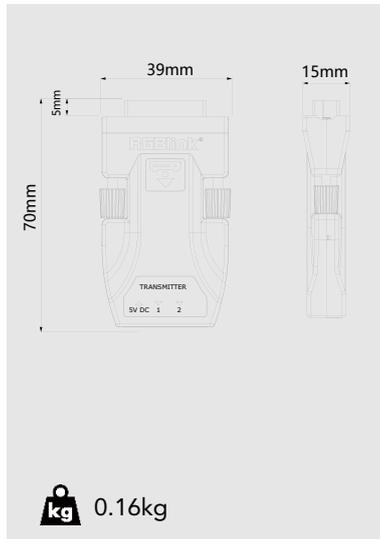
MSP 215 | MSP 214 MSP 209 | MSP 217



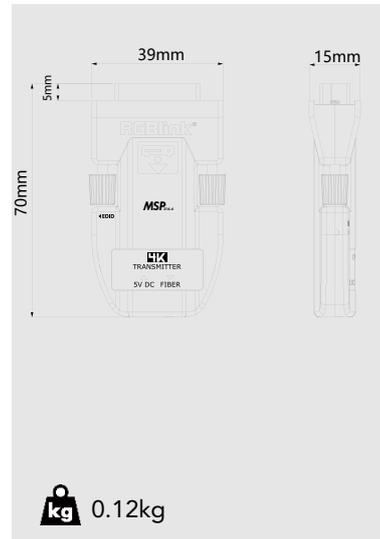
MSP 221 | MSP 219
MSP 203 | MSP 204



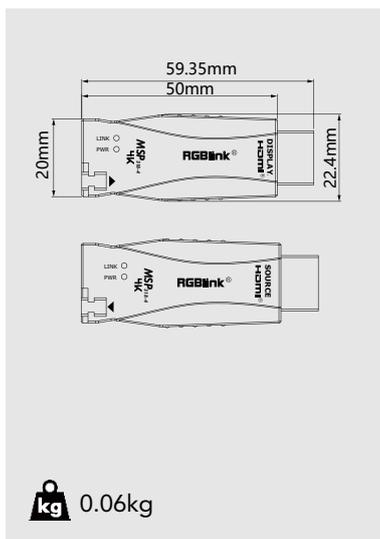
MSP 314-2



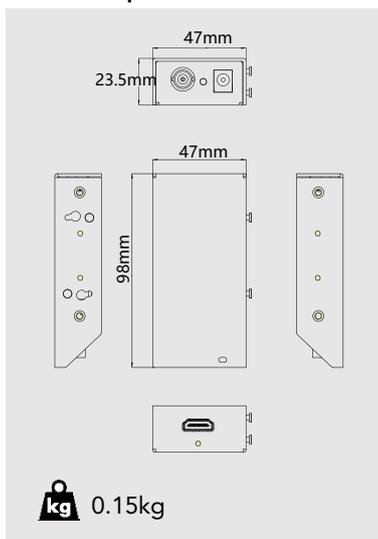
MSP 314-4



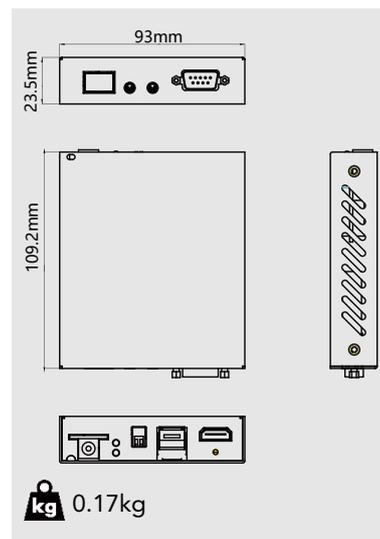
MSP 318-4



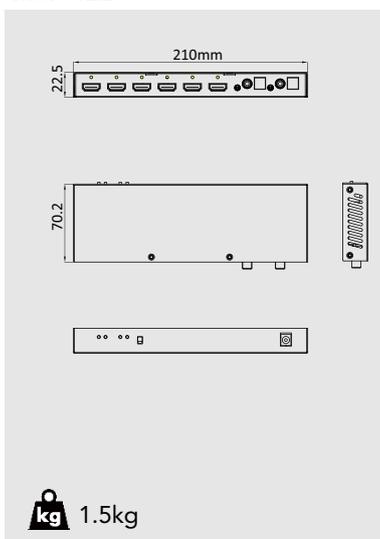
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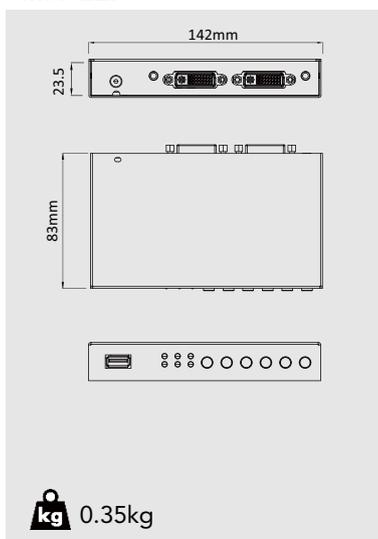
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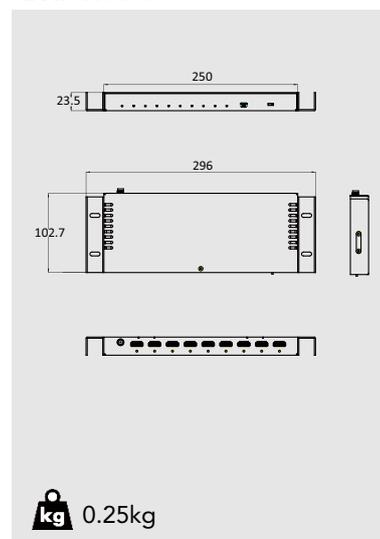
MSP 422



MSP 227

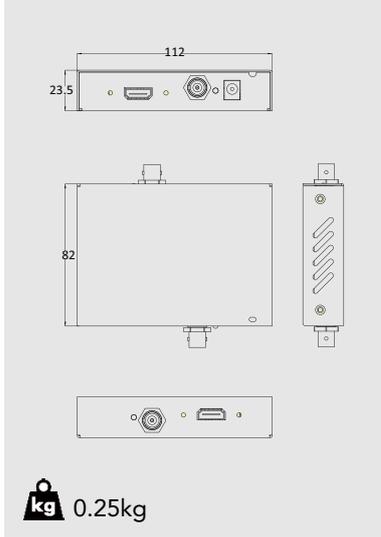


DXP H0108

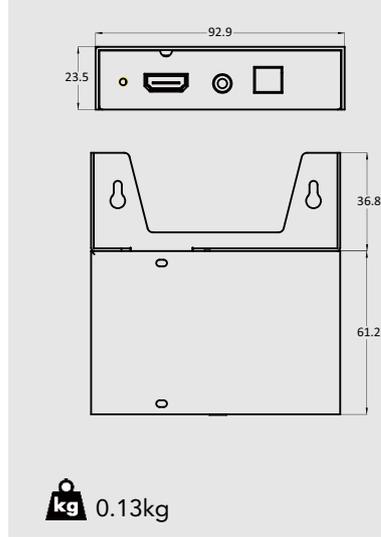


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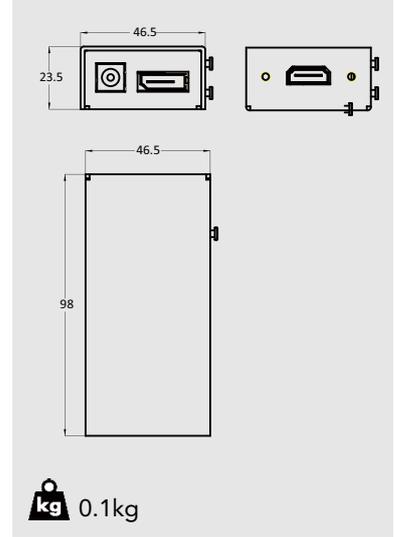
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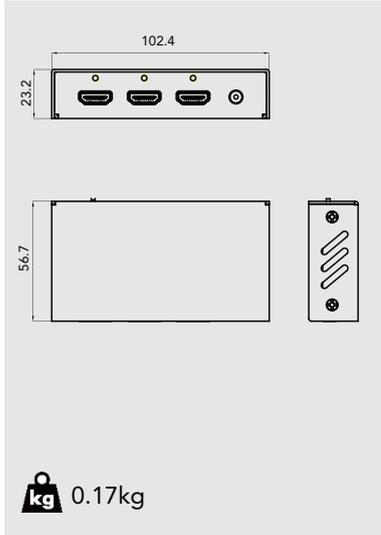
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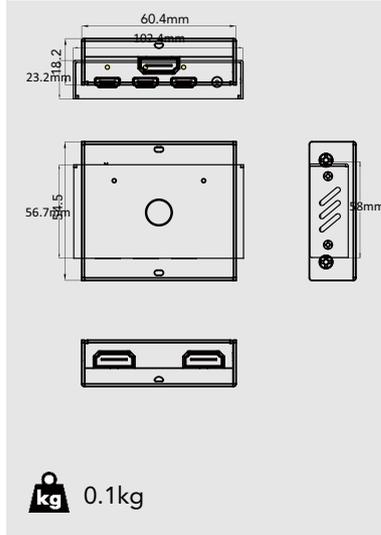
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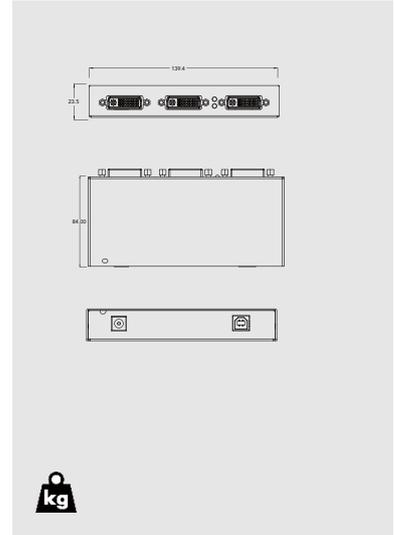
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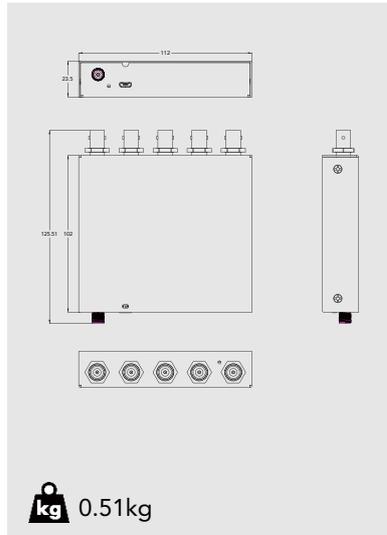
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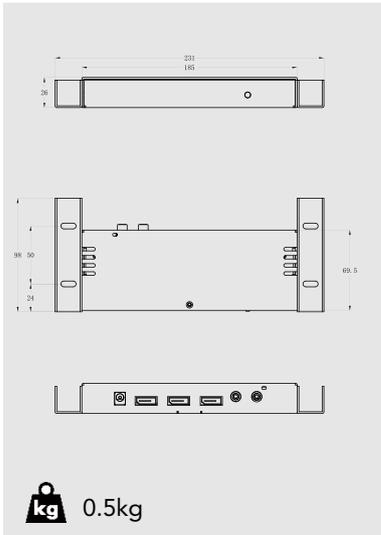
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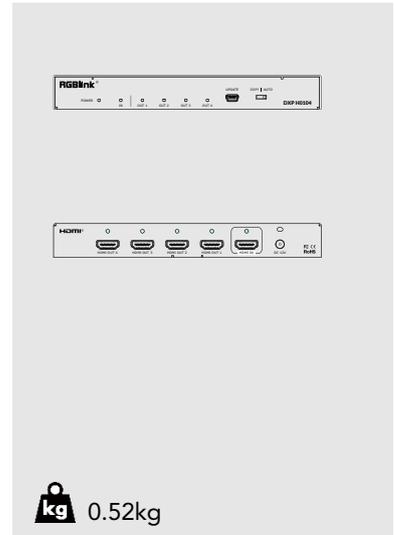
MSP 319



DXP DP0102



DXP H0104



Feature Comparison

All-In-One Mixers | Universal Processors | Scalers

	All-in-One Scaler & Vision Mixers			Universal Processor Processors				Mixed Signal Matrix					Scaling & Switching Switching							
	M3	M2	M1	X14	X7	X3 Touch X3 Express X3PwW	X2	FLEX 32	FLEX 16	FLEX Pro 8	FLEX 8	FLEX4ml	D6	D4	X1pro E	VSP628pro	X1	C1US		
Inputs	+12	+9	+4	+52	+32	+16	+16	+32	+16	+16	+8		+4	+4	3+3	6+2	4+3	5+1		
Option Slots	3x4	3x3	1x4	13x4	4x8	4x4	4x4	8x4	4x4	4x4	2x4		4	2x2	1	1	1	1		
DVI															2L+	1L+	1+	1+		
HDMI															1+	1L+	1+	1L+		
VGA															+	1+	1+	1+		
DisplayPort															1	1				
SDI	Full modular selection of input signals available. Refer individual product specifications							Full modular selection of input signals available. Refer individual product specifications												
CVBS															+	2L+	+	1+		
YPbPr															+	+	1+	1+		
HDBaseT																1*	1*	1*		
H.264 Streaming																				
Fiber Port																				
USB															+	+	+	+		
12G SDI				yes	yes	yes	yes			yes			yes	yes						
Support 4k@30	yes			yes	yes	yes	yes			yes			yes	yes	yes	yes				
Support 4k@60				yes	yes	yes	yes			yes			yes	yes	yes	yes				
Outputs	2+4	4	1	+40	+32	+8	+16	+32	+16	+8	+8		+16	+4	4	2	1	2		
Option Slots	2	1	1	10x4	8x4	2x4	4x4	8x4	4x4	2x4	2x4		4x4	2x2	4L	1	2	2		
DVI	+															1				
HDMI	2+	4	1													1	1			
VGA																				
DisplayPort																				
SDI	+	2+	1	Full modular selection of output signals available. Refer individual product specifications				Full modular selection of output signals available. Refer individual product specifications												
CVBS																+				
YPbPr																+				
HDBaseT																				
H.264 Streaming																	+			
Fiber Port																				
Adv Rotation Support				yes	yes	yes	yes													
Soft Edge Blending Support				yes	yes	yes	yes													
Support 4k@30				yes	yes	yes	yes			yes			yes	yes						
Support 4k@60				yes	yes	yes	yes			yes			yes	yes						
Layers/Operation Mode																				
Routing	4 b1	4	2	160	64	16	16	32	16	8	8		8	4	4	2	2	2		
Continuous	7 b1	3 b1		160	64	16	16	layers determined by EXT feature card installed					8	4	4	2	2	4		
Continuous H.264H				440	256	128	128													
2K Switcher	4 b1	3 b1	2	160	32	8	8			32			16	2	4	2		2		
Dual 2K Switcher		1		80	16	4	4						8	2	2	1				
4K Split	+	1		10	8	2	4	8	4	+	2		4	2	1					
Genlock																				
Y In	yes	yes	yes	yes	yes	yes	yes			yes			yes	√		yes				
Digital Ref In				yes	yes	yes	yes													
Control from XPOSE																				
PST Preset Out	yes	yes	yes	yes	yes	yes	yes						yes	yes	yes	yes				
PVW Preview Out	yes	yes	yes	yes	yes	yes (X3P)	yes						yes	yes						
PVW H.264 Out				yes	yes		yes													
LED Sender Slot										8						1	2	2		
Audio			yes														+			
Transitions FX	yes	yes	yes	yes			yes						yes	yes	yes	yes	yes	yes		
PIP/PBP	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		yes	yes	yes	yes	yes	yes		
Mask FX	yes	yes	yes	yes	yes		yes						yes	yes	yes	yes	yes	yes		
DSK/Chroma	yes	yes	yes	yes	yes	yes	yes			yes			yes	yes	yes	yes	yes	yes		
OSD/Text	yes	yes	yes	yes	yes	yes	yes			yes			yes	yes	yes	yes	yes	yes		
EDID	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		yes	yes	yes	yes	yes	yes		
Hot Back-up	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		yes	yes	yes	yes	yes	yes		
Control from XPOSE	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes		yes	yes	yes	yes	yes	yes		
Dimensions																				
Rack Unit				14	7	3	2	3	2	3	1		2	1	1	1	1	1		
Width(mm)	502	462	462	483	482	484	484	484	484	484	484		484	480	480	480	480	480		
Depth (mm)	430	406	280	550	385	387	415	466	454	387	450		350	474	303	403	303	250		
Height(mm)	186	171	95	622	311	135	89	221	89	135	45		89	45	45	45	45	45		
Weight (kg)	16	14.6	5.5	48	18	12.3	12	18	12	12.3	5		13.6	7.2	2.7	3.7	2.7	3.15		

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* YPbPr(Component) is available on the VGA interface via adapter
 ^ Continuous operations may be referred to as 'video Wall' or 'Standard' mode
 H Continuous operations with H.264 modules fitted. Refer H.264 IP Streaming Module
 Specifications for details of multi-layer/Multiview features
 + options are available in addition to standard
 L input/output is with Loop connector
 b background layer (in addition to foreground layers)

All-In One Scaing & Maxing

Product Code	Item	Description
310-0003-31-1	M3	Presentation Processor and Vision Mixer with HDMI PGM/PST & PVW Modules, with Tally/USB Config Module with Flightcase Input & AUX Output modules sold separately
310-0003-35-1	M3e	Presentation Processor and Vision Mixer with Extended Routing with HDMI PGM/PST & PVW Modules, with Tally/USB Config Module with Flightcase Input & AUX Output modules sold separately
210-3072-12-0	M2	Scaler & Vision Mixer with 3 pieces EXT fitted with PGM/PST, with PVW/Tally Module with Flightcase Input modules sold separately
210-3072-20-0	M2s	Scaler & Vision Mixer with 3 pieces EXT fitted with PGM/PST, with PVW/Tally Module 1ith flightcase Input & SDI Output modules sold separately
220-0001-01-0	M1	Scaler & Vision Mixer with EXT4 Input & Output modules sold separately (cardboard carton packaged)
220-0001-02-0	M1 HDMI	Scaler & Vision Mixer with EXT4 & 4 x HDMI Input Modules with HDMI/SDI Output Module (cardboard carton packaged)
220-0001-03-0	M1 DVI	Scaler & Vision Mixer with EXT4 & 4 x DVI Input Modules with HDMI/SDI Output Module (cardboard carton packaged)

Universal Processors

Product Code	Item	Description
310-0014-01-0	X14	56x40 Universal Processor with 1 Power Supply fitted Input & Output modules sold separately.
310-0007-00-0	X7	32x32 Universal Processor with 1 Power Supply fitted Input & Output modules sold separately.
110-0003-41-0	X3	16x8 Universal Processor with 1 Power Supply fitted Preview Module sold separately Input & Output modules sold separately.
310-1003-11-0	X3P	16x8 Universal Processor with 1 Power Supply fitted with two Preview Module Input & Output modules sold separately.
310-0002-01-0	X2	16x16 Universal Processor with Streaming Output Preview Module Input & Output modules sold separately.

Presentation Processors

Product Code	Item	Description
120-0004-01-0	D4	4K Dual Channel Presentation Processor With HDMI 2.0 and Comm Output Module Other inputs and outputs are optional
100-0628-03-0	VSP628pro	2K Dual Channel Professional Presentation Switcher
110-0628-01-0	D6	4K Multi Channel Presentation Switcher with 1 Power Supply fitted with Preview (PVW) Module HDMI fitted Input & Output modules sold separately

Switcher/Scalers

Product Code	Item	Description
110-0001-02-2	X1 EXT	2K Scaler & Switcher <i>with EXT3 fitted</i>
110-0001-10-0	X1pro EXT	4K Scaler & Switcher <i>with EXT3 fitted</i>
110-0001-21-0	X1pro e	4K Scaler & Switcher <i>with EXT3 fitted</i>
110-2000-04-0	C1US	Scaler & Switcher <i>with SDI & DVI standard, 1 available option slot</i>

Media Solutions

Product Code	Item	Description
820-0001-01-0	UMS 4	Universal Media Server hardware. BYO operating system Inputs capture by optional input modules 4K Outputs by optional output modules

Remote Control Consoles

Product Code	Item	Description
250-0001-01-0	T1	Control Console for universal processors
250-1000-01-0	Tgo Control Surface	Control surface with desktop and rack accessory

Preview Monitors

Product Code	Item	Description
400-5533-01-0	RMS5533	Triple LCD Monitors with CVBS/DVI/VGA/HDMI
400-5533-02-0	RMS5533S	Triple LCD Monitors with SDI with CVBS/DVI/VGA/HDMI/SDI
400-8424-01-0	RMS8424	Dual LCD Monitors with CVBS/DVI/VGA/HDM
400-8424-02-0	RMS8424S	Dual LCD Monitors with SDI with CVBS/DVI/VGA/HDMI/SDI
410-8424-01-0	RMS1A	Single 8.4in Display block with DVI-I Input DVI/VGA/HDMI and USB input
400-4542-02-0	RMS4542S	Quad LCD Monitors with CVBS/DVI/VGA/HDMI/SDI inputs
400-1516-01-0	RMS1516S	Single 15 inch display with 1 HDMI 2.0 input, 3 HDMI 1.3 inputs, 1 3G/HD/SD SDI input, 1 DVI input, 1 VGA input

FLEX Multi-Signal Matrix & Videowall Splicing

Product Code	Item	Description
710-0004-01-0	FLEX 4M	4x4 Matrix Processor <i>including EXT4F-IM and EXT4F-OM</i> <i>Input & Output modules sold separately</i>
710-0008-00-0	FLEX 8	8x8 Matrix Processor <i>EXT sold separately</i> <i>Input & Output modules sold separately</i>
710-0016-00-0	FLEX 16	16x16 Matrix Processor <i>EXT sold separately</i> <i>Input & Output modules sold separately</i>
710-0016-01-0	FLEX 16M	16x16 Matrix Processor <i>including 4 EXT4F-IM and 4 EXT4F-OM</i> <i>Input & Output modules sold separately</i>
710-0016-12-0	FLEX 16S	16x16 Splicing Processor (control from XPOSE) <i>including 4 EXT4F-IM and 4 EXT4F-OS</i> <i>Input & Output modules sold separately</i>
710-0032-01-0	FLEX 32M	32x32 Matrix Processor <i>including 8 EXT4F-IM and 8 EXT4F-OM</i> <i>Input & Output modules sold separately</i>
710-0004-02-0	FLEX4ml	with a 4K2K@60 input module, and 4 DVI output modules and 2 EXT output modules as standard, other moduels are optional

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FLEXpro Videowall Controllers

Product Code	Item	Description
700-0001-01-0	FLEX RS1	Rotation/Blending/Splicing Processor with 4K input & 4x2K DVI Outputs
790-1001-28-0	FLEXpro 8	16x8 Universal Processor with single Power Supply fitted Input & Output modules sold separately.

Matrix

Product Code	Item	Description
500-0404-01-0	DXPD0404	4x4 DVI Matrix
500-0808-01-0	DXPD0808	8x8 DVI Matrix
500-1616-01-0	DXPD1616	16x16 DVI Matrix
500-0108-01-0	DXPD0108	1x8 DVI Distributor
621-1104-01-0	DXPD0104	1x4 DVI Distributor
621-2104-01-0	DXPH0108	1x8 HDMI Distributor HDMI 2.0 and HDCP 2.2 Compatible
551-0104-01-0	DXPH0104	1x4 HDMI 2.0 Distributor
621-3102-01-0	DXPDP0102	1x2 DP1.2 Distributor with 1 pair S/PDIF audio output
621-4104-01-0	DXPH0404	4x4 HDMI 2.0 Matrix
552-1616-01-0	DXPH1616	16x16 HDMI 1.3 Matrix
510-0808-01-0	DXPA0808	8x8 Composite Matrix
510-1616-01-0	DXPA1616	16x16 Composite Matrix
520-0808-01-0	DXPV0808	8x8 VGA Matrix
520-1616-01-0	DXPV1616	16x16 VGA Matrix
552-1010-01-0	DXPH1010 HDMI 2.0 Matrix	10x10 HDMI 2.0 Matrix with 4K60Hz

Mini (MSP) Series-Testing Tools & Convertors

Product Code	Item	Description
650-0200-01-0	MSP200PRO	Signal & Test Pattern Generator <i>with Plug Pack</i> <i>with ABS Protective Case</i> SDI input module sold separately Batteries sold separately
650-0221-01-0	MSP221	EDID Manager
600-0227-01-0	MSP227	DVI Cross Converter <i>supports AV/YpPr/VGA/HDMI/DVI</i>
600-0203-01-0	MSP203	SDI to HDMI Converter <i>with Audio Embedded</i>
601-0203-01-0	MSP303	SDI to HDMI Converter <i>without Audio Embedded</i>
600-0204-01-0	MSP204	HDMI to SDI Converter <i>with Audio Embedded</i>
601-0204-01-0	MSP304	HDMI to SDI Converter <i>without Audio Embedded</i>
600-0210-05-0	MSP210V	VGA to SDI Converter <i>with Scan Converter & Scaler</i>
600-0210-04-0	MSP210H	HDMI to SDI Converter <i>with Scan Converter & Scaler</i>
600-0210-02-0	MSP210C	Composite to SDI Converter <i>with Scan Converter & Scaler</i>
600-0210-03-0	MSP210D	Display Port to SDI Converter <i>with Scan Converter & Scaler</i>
601-0422-01-0	MSP422	HDR 10 and Dolby Vision HDR 4 HDMI 2.0 inputs and 2 HDMI 2.0 outputs 4 in 2 out matrix or 4 in 2 out converter
621-0321-01-0	MSP321	HDMI 2.0 input analyser, EDID Manager & HDCP Toolbox and Pattern Generator

Mini (MSP) Series-Distributors

Product Code	Item	Description
620-0216-01-0	MSP216	1 DVI In/2 DVI Out Distributor
620-0216-02-0	MSP216H	1 HDMI In/2 HDMI Out Distributor
620-0219-04-0	MSP319	1 SDI In/2 SDI Out Distributor
621-0219-04-0	MSP319-4	1 SDI In/4 SDI Out Distributor
920-0005-01-0	MSP Garage with PSU	Rack frame for MSP products with integrated power management
621-0316-02-0	MSP316D	1 HDMI2.0 In/2 HDMI2.0 Out Splitter or 2 HDMI 2.0 In/1 HDMI 2.0 Out

Mini (MSP) Series-Extenders

Product Code	Item	Description
610-0209-01-2	MSP209S	Ethernet to Single Mode Fiber Extender Set
610-0209-02-2	MSP209M	Ethernet to Multi Mode Fiber Extender Set
610-0214-01-2	MSP214	HDMI/DVI to Fiber Extender Set <i>without SFP Module – refer Options</i>
610-0217-01-0	MSP217	SDI to Fiber Extender <i>without SFP Module – refer Options</i>
610-0215-01-2	MSP215	HDBaseT HDMI to Cat5e/6 Extender Set <i>(max 100m) , supports 4K@30</i>
611-0315-01-0	MSP315	HDBaseT HDMI to Cat5e/6 Extender Set <i>(max 100m) , with POE, supports 4K@30</i>
600-0225-01-1	MSP225	HDMI / H.264 Streaming Encoder
600-0226-01-1	MSP226	HDMI / H.264 Streaming Decoder
611-0001-01-0	MSP314-2	2K@60 HDMI/DVI Fiber converter, for 2 Fiber Set
611-0011-01-0	MSP314-4	4K@30 HDMI/DVI Fiber converter, for 1 Fiber Set
611-0012-01-0	MSP318-4	4K@60 HDMI/DVI Fiber converter (YUV 420), for 1 Fiber Set
920-0001-01-0	DVI-I Inline Active Extender	With DVI female input and DVI female output
920-0002-01-0	HDMI A Inline Active Extender	With HDMI demale input and HDMI female output
611-0415-01-0	MSP415 Tx	HDBaseT HDMI 2.0 to Cat6 Extender HDMI, IR, Remote Power Extension up to 65m, 4K@60
611-0415-01-1	MSP415 Rx	HDBaseT Cat6 to HDMI Extender HDMI, IR, Remote Power Extension up to 65m, 4K@60
601-0325-01-0	MSP325	HDMI 1.4 to H.265 Streaming Encoder Single Channel
601-0325-01-0	MSP326	H.265 to HDMI 1.4 Streaming Decoder Single Channel
611-0329-01-0	MSP 329 Tx	HDMI 1.4 to Ethernet and Fiber with KVM
611-0329-01-1	MSP 329 Rx	HDMI 1.4 to Ethernet and Fiber with KVM

LED Control Solutions

Product Code	Item	Description
820-1004-02-0	GX4	Scaler & Switcher with RGBlink Subito build in
820-0222-01-0	G3 Net CL	Integrated Scaler and LED Sender (ColorLight)
820-0222-02-0	G3 Net LN	Integrated Scaler and LED Sender (Linsn)
800-0004-01-0	DV4	DVI Distributor for 4 Sender Cards

Flightcases

Product Code	Item	Description
900-0001-01-0	1RU	1U 19in Rack Sleeve 490mm
900-0001-02-0	1RU	1U 19in Rack Sleeve 590mm

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900-0002-01-0	2RU	2U 19in Rack Sleeve 490mm
900-0002-02-0	2RU	2U 19in Rack Sleeve 590mm
900-0006-01-0	6RU	6U 19in Rack Sleeve
900-0008-01-0	8RU	8U 19in Rack Sleeve
900-0012-01-0	12RU	12U 19in Rack Sleeve
900-1001-01-0	168RU1	1U for 2 units VSP168
900-1002-01-0	168RU2	2U for 4 units VSP168
911-0100-01-0	Cable Reel	for Fiber Optical Cable length max 150 meters
911-0150-01-0	Cable Reel	for Fiber Optical Cable length max 250 meters
911-0250-01-0	Cable Reel	for Fiber Optical Cable length max 400 meters

Cables

Product Code	Item	Description
921-0002-01-0	DVI-DVI Cable	with protection caps,3840 x 2160@30 2 meters
921-0003-01-0	DVI-DVI Cable	with protection caps,3840 x 2160@30 3meters
921-0005-01-0	DVI-DVI Cable	with protection caps,3840 x 2160@30 5 meters
921-0010-01-0	DVI-DVI Cable	with protection caps,3840 x 2160@30 10 meters
921-0015-01-0	DVI-DVI Cable	with protection caps,3840 x 2160 @30 15meters
922-0002-01-0	DVI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@30, 2 meters
922-0003-01-0	DVI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@30, 3 meters
922-0005-01-0	DVI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@30, 5meters
922-0010-01-0	DVI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@30, 10 meters
922-0015-01-0	DVI-HDMI Cable	with locking HDMI and protection caps,1920*1080@30, 15meters
923-0002-01-0	HDMI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 2 meters
923-0003-01-0	HDMI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 3 meters
923-0005-01-0	HDMI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 5meters
923-0010-01-0	HDMI-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@30, 10 meters
923-0015-01-0	HDMI-HDMI Cable	with locking HDMI and protection caps, 3840 x 2160@30, 15 meters
924-0002-01-0	DP-DP Cable	with protection caps,3840 x 2160@60 2 meters
924-0003-01-0	DP-DP Cable	with protection caps,3840 x 2160@60 3meters
924-0005-01-0	DP-DP Cable	with protection caps,3840 x 2160@60 5 meters

Product Code	Item	Description
924-0015-01-0	DP-DP Cable	with protection caps,1920*1080 @60 15meters
925-0002-01-0	DP-DVI Cable	with protection caps,3840 x 2160@30 2 meters
925-0005-01-0	DP-DVI Cable	with protection caps,3840 x 2160@30 5 meters
926-0002-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 2 meters
926-0003-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 3 meters
926-0005-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 5 meters
927-0002-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@60 2 meters
927-0003-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@60 3meters
927-0005-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@30 5 meters
928-0002-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 2 meters
928-0003-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 3 meters
928-0005-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 5 meters
931-0100-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 100m
931-0150-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 150m
931-0200-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 200m
931-0250-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 250m
931-0300-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 300m
932-0100-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 100m
932-0150-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 150m
932-0200-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 200m
932-0250-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 250m
932-0300-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 300m
03.EX-FIBE-0010	Fiber - Multi Mode	with protection caps, 4cores inside, LC to LC connector, 300m
03.EX-FIBE-0098	Fiber - Single Mode	with armour protection caps, 6cores inside, LC to LC connector, 300m

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