WHY RGBLINK

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.

DESIGN & MANUFACTURE
Scalers
Seamless Switchers
Matrixes
Video Wall Controllers
Vision Mixers
LED Display Controllers
Signal Converters

MARKETS
Corporate
Broadcast
Live Events
House of Worship
Education
Government
Health Care
Retail & Entertainment

GLOBAL PRESENCE
Growing world-wide distribution network
See RGBlink at all major industry trade events
Products are been widely used in mission critical applications around the world.

HDMI, High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and/or other countries.
STREAMING

page 20 CLOUD / DECODER

page 27 PRO AV

page 56 FLEX Series
Mixed Signal Matrix

page 72 Subito Series
LED Control Solutions

page 87 Accessories

page 13 CAPTURE

page 21 ASK Series
Collaboration Solutions

page 27 D Series
Presentation Processors

page 64 Q Series
Multi-signal Matrix

page 75 UMS Series
Media Solutions

page 90 Software

page 17 SWITCHER

page 34 X Series
Universal Processors

page 68 1 Series
Switcher/Scalers

page 78 RMS Series
Monitoring Solutions

page 92 Reference

page 101 Contact

ENCODER

page 49 M Series
Mixing & Scaling

page 70 T Series
Control Consoles

page 80 MSP Series
Video Tools / Extenders
Signal Convertors
Signal Distributors
STREAMING
PTZ Camera
RGB12X-PoE-WH | RGB20X-PoE-WH

PTZ camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution and fantastic color rendition. It supports H.265/H.264 encoding which makes motion video fluent and clear even with less than ideal bandwidth conditions.
Precise Head Control

With built-in high precision motor drive control, the camera can be re-positioned in under a second by 60 degrees and a zoom speed of 0.1 degree. Whether large movement or small, multi-speed movement is not only smooth and accurate, but super quiet. Automatic focussing powered with advanced algorithms enhances overall performance aiding ease of operation.

12X/20X Optical Zoom

With a choice of two models, RGBlink PTZ cameras offer embedded 2D & 3D noise reduction and ISP image processing technology. The result is clear, vivid and balance video regardless of zoom angle.

Professional PTZ Camera

Whether outputting to HDMI, SDI or IP, RGBlink PTZ cameras provide a host of onboard features and functions. Advanced ISP image processing and algorithms enhance image performance from the sensor.

Full 340 degree horizontal and 120 degree vertical range along with up to wide 72.5 degree viewing angle are provided, making RGBlink cameras suitable for demanding applications whether short throw or long.

Multi-Scene Preset

Create and store up to 255 presets with position, zoom and focus via the web interface. Assign presets to buttons for instant recall.

Web Preview

Preview video and control camera via the web-browser based interface simply by connecting on a LAN. Use any video output for monitoring.

Full Interface Multi-Protocol

RGBlink PTZ cameras offer wide compatibility and interconnectivity in support of the broad range of application possibilities. Video connections are provided for SDI and HDMI as well as for IP based protocols. Control protocols include RTSP, VISCA and PELCO.
PTZ Camera with NDI
RGB12X-NDI-WH | RGB20X-NDI-WH

NDI camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution and fantastic color rendition. It supports H.265/H.264 encoding which makes motion video fluent and clear even with less than ideal bandwidth conditions.
Precise Head Control
With built-in high precision motor drive control, the camera can be re-positioned in under a second by 60 degrees and a zoom speed of 0.1 degree. Whether large movement or small, multi-speed movement is not only smooth and accurate, but super quiet. Automatic focussing powered with advanced algorithms enhances overall performance aiding ease of operation.

NDI Video Output
Video over IP via NDI is built right into these cameras, enabling quick and ease integration with professional broadcast suites as well as popular NDI enabled platforms such as Zoom.

12X/20X Optical Zoom
With a choice of two models, RGBlink PTZ cameras offer embedded 2D & 3D noise reduction and ISP image processing technology. The result is clear, vivid and balance video regardless of zoom angle.

Multi-Scene Preset
Create and store up to 255 presets with position, zoom and focus via the web interface. Assign presets to buttons for instant recall.

Web Preview
Preview video and control camera via the web-browser based interface simply by connecting on a LAN. Use any video output for monitoring.

High Sensitivity
Capture video even in low light – from as little as 0.5 Lux. The cameras sensor adapts and optimises across the full range of light and dark environments.

Full Interface Multi-Protocol
RGBlink PTZ cameras offer wide compatibility and interconnectivity in support of the broad range of application possibilities. Video connections are provided for SDI and HDMI as well as for IP based protocols. Control protocols include RTSP, VISCA and PELCO.

Professional NDI Camera
Whether outputting to HDMI, SDI or NDI, RGBlink PTZ cameras provide a host of onboard features and functions. Advanced ISP image processing and algorithms enhance image performance from the sensor, encoding for smooth and stabilised video regardless of bandwidth selected.

Full 340 degree horizontal and 120 degree vertical range along with up to wide 72.5 degree viewing angle are provided, making RGBlink cameras suitable for demanding applications whether short throw or long.
PTZ Camera Controller
RGBCTL-PTZ-BK

Four control modes: Two IP control modes (IP VISCA & ONVIF); Two analog control modes (RS422 & RS232); Three Control Protocols: VISCA, ONVIF and PELCO.
PTZ Controller

Enabling fast and accurate control of PTZ cameras, the RGBlink PTZ controller brings together control of multiple cameras into a single convenient console interface.

Control up to 255 PTZ cameras with both LAN port and serial port connectivity available. Joystick control along with intuitive one touch button controls deliver real-time control to cameras, complemented with by an on-board LCD display.

4-dimensional Joystick
Make precise adjustments to camera attributes including movement, zoom, focus and selection with the multi-function broadcast style joystick control.

LCD Display
See and monitor status and configuration from the on-board LCD display.

Fingertip Control
Buttons and rotary controls are arranged for quick access, arranged intuitively and conveniently. Set camera features such are speed, red and blue gain, focus, aperture, white balance, camera switching and other camera parameters along with accessing and setting presets, and more.

Presets
Quickly capture settings as presets and views. Store up to 255 presets and recall simply via quick-touch keys.

Control for Serial Cameras
The controller offers RS232/RS422 ports allowing connection of up to 7 cameras via serial supporting VISCA/Pelco-D/P protocols and control for those remote cameras up to 1200m.

Power from the IP Network
Connect the PTZ controller anywhere on the IP network where power-over-ethernet (PoE) is available, to optionally power the console from the network without a separate power supply.

Custom Operations
Configure customer functions including VISCA commands.

Connect More PTZ Cameras
Supporting VISCA and ONVIF protocols, connect up to 255 IP cameras to the PTZ controller.
### PTZ AI Tracking Camera

**Key Features**
- Intelligent and smooth teaching tracking
- Low noise and high SNR
- Multiple video compression formats
- Multiple control/network protocols
- Dual-stream output
- Support PoE

### USB PTZ Camera

**Key Features**
- 70 degree wide-angle lens
- Auto-focus technology
- Low noise and high SNR
- Up to 255 presets
- Pan and tilt control
- Low-power sleep function

### Ultra HD PTZ Camera 4K

**Key Features**
- 4K Ultra HD Image, with resolution up to 4K@60fps
- 12x optical zoom lens, with 80.4° FOV without distortion
- Fast, accurate and stable auto focus
- Low Noise and High SNR
- 4K output through LAN, HDMI and USB 3.0
- Multiple Audio/Video Compression Standard

### Ultra HD NDI Camera 4K

**Key Features**
- Low-power Sleep Function
- Support PoE(IEEE 802.3af 48V)

### PTZ PoE Camera

**Key Features**
- High speed optical zoom
- High performance in low light scenarios with Wide Dynamic Range
- Full 1080 x 1080p HD Resolutions up to 60 frames per second
- H.265/H.264 Dual Stream Output Adapted to Different Network Environments
- Pan and Tilt Control
- Wide Application
**Key Features**

- High speed optical zoom
- High performance in low light scenarios with Wide Dynamic Range
- Full 1920×1080p HD Resolutions up to 60 frames per second
- 2D & 3D low noise CMOS
- PTZ control via serial, IP or NDI
- H.264, H.265 & MJPEG Streaming
- Stream simultaneously to up to three protocols
- Support PoE (IEEE 802.3af 48V)

**NDI(PoE) Camera**

- RGB20X-PNDI-WH 20X NDI Camera
- RGB30X-PNDI-WH 30X NDI Camera

**EPTZ Educational Tracking Camera**

- RGB3X-EPTZ-BK Educational Tracking Camera

**Key Features**

- Intelligent teaching tracking, multiple tracking modes
- Wide dynamic exposure
- Strong anti-interference
- Wide angle without distortion
- Low noise and high SNR
- Multistream output
- Support PoE

**AV Conference Integrated Solution**

- Superb High-definition image camera, resolution is up to 1920×1080
- Low noise and high SNR
- Leading auto-focus technology
- Support MJPEG (H.264) video compression
- Sound pick-up support Bluetooth hands-free calls
- 4 Built-in microphones with a single directivity and a wide frequency range
- Built-in IR receiver
- Multi-function keys on front panel
- Encoder supports USB plug and play
- Support multiple web conferencing software

- Camera
- Concentrator
- Sound Pick-up
- RGB10X-MEET-BK AV Conference Integrated Solution
streaming switcher

Mini makes the sophisticated simple. Seamlessly switch between any of up to four inputs and output to both HDMI and USB3.0.

Ideal for streaming applications whether personal or corporate, mini inputs allow different resolutions video sources to be scaled to a common output format.

On board features include PIP, transitions and audio controls. The only compact switcher with built in LCD video preview, mini is truly compact and easy to use.
Seamless switching between inputs
Create effect with transitions when switching between sources
Insert audio via mini Jack or use HDMI embedded audio
Switch between sources with T-bar or direct touch
Remote control with Apps connected via LAN
Add sophistication with Picture-in-Picture (PIP) presets

Preview all video inputs simultaneously
Stream direct to popular platforms via USB 3.0
De-embed and extract audio via mini Jack
On board TFT display with multi-View to preview all sources
Advanced features for PTZ camera, audio control and more

Scale Convert Present
Each HDMI input is resolution independent and is automatically cross converted – scaled – to the set output resolution providing seamless glitch free video switching for consistent presentation.

Preview Built-In
The only streaming switcher in its class with an integrated LCD display and onboard video preview.

Connect & Control
Switch between any connected video source simply by tapping on the source button in Fast mode or via the T-Bar directly from the front panel. Connect via LAN to one of the mini apps for remote functionality - CUT, set fade times or transitions from anywhere.

PIP
Add a Picture-in-Picture video as an overlay in one of nine PIP and PBP preset positions. Whether for closeups or companion shots, PIP allows for two videos to be output at the same time.

Stream your feed
Connect mini via USB3.0 to an internet connected laptop to be a video and audio streaming device to virtually any platform. Capture and more via OBS.

Selectable Multi-View
Output either the program (PGM) or a MultiView – either being selectable on both HDMI and USB3.0 outputs for maximum flexibility.

Audio Controls
Select audio from an embedded or insert line source to be embedded with the video at output. Extract audio via the dedicated

Transition Effects
Transition between PST & PGM with cut, fade or transition via the T-bar or single touch controls.

Stream & Capture
Connect mini via USB3.0 to an internet connected laptop to be a video and audio streaming device to virtually any platform. Capture and more via OBS.

Contact
Reference
Software
Accessories
Mini-pro continue to support Windows and MAC desktop operating systems and iOS and Android mobile platform.

In terms of user operations, mini-pro upgrade S key (shortcuts) user experience, by preseting the user scene setting, mini-pro can realize multi-user fast scene and mode switching. Synchronize multiple controls, Small and easy to use, Help you achieve more diversified scene display applications.
Each HDMI input is resolution independent and is automatically cross converted – scaled – to the set output resolution providing seamless glitch free video switching for consistent presentation.

The only streaming switcher in its class with an integrated LCD display and onboard video preview.

Switch between any connected video source simply by tapping on the source button in Fast mode or via the T-Bar directly from the front panel. Connect via LAN to one of the mini apps for remote functionality - CUT, set fade times or transitions from anywhere.

Add a Picture-in-Picture video as an overlay in one of nine PIP and PBP preset positions. Whether for closeups or companion shots, PIP allows for two videos to be output at the same time.

Switch the fast control of 4 PTZ cameras

Utilise embedded or external audio and extract to audio mixers or other devices for video and audio synchronisation.

Connect mini via USB3.0 to an internet connected laptop to be a video and audio streaming device to virtually any platform. Capture and more via OBS.

Utilise embedded or external audio and extract to audio mixers or other devices for video and audio synchronisation.

Connect VISCA/PELCO cameras to mini+ to control pan, tilt, zoom and focus.

Five-way joystick PTZ control

The five-way joystick can control the PTZ camera very flexibly, and with the input switch, you can switch the fast control of 4 PTZ cameras.
TAO 1pro is a Broadcasting streaming decoder with a 5.5 inch FHD preview display, but also a 4 channels seamless video switcher for 2 USB 3.0 and 2 HDMI 1.3 inputs, and supports streaming directly by ethernet output which is ready to connect to external cloud based router and streaming from Anywhere to Everywhere.

TAO 1pro is compatible with standard USB 2.0 and USB 3.0 cameras by UVC protocol, and brings itself as a much affordable and user friendly streaming tools for anybody, the talents who is willing to be Anchor Online.

TAO 1pro is also with touch panel for finger configuration, and with optional 2 chargable battery extending its capacity for outdoor application.
Key Features

- 5.5-inch touchscreen operation
- Fast image processing
- Video monitoring
- Dual battery Options
- Recording via USB 2.0 port
- Multistream up to 4 Live Streaming platform Simultaneously
- USB and HDMI signal multicasting
- Bluetooth 5.0
- Extending Monitor
- NDI5.0 Encoder
Scene 1: Seamless switching between USB and HDMI inputs

- Microphone
- Camera
- PTZ
- HDMI × 2
- USB 3.0 × 2
- H.264
- Multistream up to 4 Live Streaming platforms Simultaneously
- Speaker
- 3.5mm Audio Jack
- 2T Hard disk

Scene 2: Seamless switching between different USB inputs

- Microphone
- Camera
- PTZ
- HDMI × 2
- USB 3.0 × 2
- H.264
- Multistream up to 4 Live Streaming platforms Simultaneously
- Speaker
- 3.5mm Audio Jack
- 2T Hard disk

Scene 3: Ready for Bluetooth remote control

- Microphone
- Camera
- PTZ
- HDMI × 2
- CAT
- Wireless streaming
- Bluetooth controller
- USB 2.0

Scene 4: Input preview and extending monitor (90° supported)

- Microphone
- Camera
- PTZ
- HDMI × 2
- USB 2.0
- H.264
- Speaker
- 3.5mm Audio Jack
- 2T Hard disk

Scene 5: Outdoor wireless streaming

- Microphone
- Camera
- PTZ
- HDMI × 2
- CAT
- Wireless streaming
- Wireless router
- USB 2.0
- 2T Hard disk
UVC-HDMI capture converter

TAO 1tiny is the essential accessory for compact webcam and ePTZ camera users, enabling those cameras to become HDMI native devices connectable almost anywhere. This tiny inline convertor - measuring at just 9x5x3cm, provides HDMI connectivity for cameras and similar USB-C UVC capture devices, supporting popular VESA standard resolutions up to 4K. Video transcoded to HDMI is uncompressed with full fidelity maintained for superior visual performance.
The ideal companion for USB cameras
Support for 4K USB-C video devices
Connect high quality USB Cameras
Output to any HDMI 2.0 display up to 4K@60
Lossless high definition video adapter

Empowering push streaming switchers
Empowering push streaming switchers
Transform streaming switchers into live presentation mixers, taking USB 3.0 streams to HDMI screens, projectors and displays.

Enabling remote camera controls
TAO tiny supports connection of USB control devices such as Bluetooth Receivers, allowing a connected webcam to be controlled without the need for web or pc software.

Efficient low-power by design
Power TAO tiny and UVC webcam conveniently with common USB-C hubs and power banks.

Key Features
● Bonding Network Router
● 5*USB ports for TD-LTE standard Dongle
● Bonding up to 5 Dongle and 1 LAN together
● WAN external broadband bonding
● 2.4GHz+5.8GHz dual-band wifi
● wifi hotspot sharing
● Real-time status on LCD screen
● Optional built-in lithium battery with higher capacity
● 1/4 screw hole for rack mounting
ASK Collaboration System

Advanced Sharing and (K)ollaboration.

Transform any large display to a collaboration device simply by connecting an ASK mini RX receiver.

Developed for performance and convenience, the RGBlink ASK™ collaboration system takes screen sharing to a new level for laptops, tablets and mobile devices.

Simply connect a compact ASK me TX transmitter to a Windows or macOS computer for fast, driver free connection to an ASK Receiver display with low latency, high frame rate and full colour gamut video without any compression or image loss. Other devices, simply connect with MiraCast or AirPlay to see video as it should be.

Display up to four devices on the display connected to an ASK Receiver and collaborate even further with the built-in Whiteboard features – ideal for large touch enabled displays. Connect multiple ASK Receivers to extend collaboration to multiple large screen displays, making ASK ideal across meetings and conferences, education and integration with live streaming events.
Compact, yet powerful and easy to use, ASK systems enable screen sharing and presentation applications for everyone. With no-lag full fidelity video up to 4K, presentations are immediate and engaging.

**Hi-Performance Automatically**
The ASK system adapts automatically to the input video resolution, transmitting automatically with full YUV color gamut and 4:4:4 color space via the integral hardware video processing engine, providing maximum video performance and quality.

**Just ASK Connect**
ASK Transmitters pair automatically with the Receiver with no user intervention required. Making use of Wi-Fi MIMO technology the ASK Receiver ensure a quality stable connection. Mobile and other devices simply connect the to ASK and use device standard MiraCast or AirPlay screen sharing.

**Touch to Share**
Enabling screen sharing is as simply as touching the surface of an ASK transmitter, with a variety of operation states possible.

**TAKE Control**
Hosts or key presenters are able to control sharing controls, set focus and mode, as well as take advantage of Whiteboard features.
ASK Collaboration System

RGBlink ASK nano puts the power of collaboration in your pocket with HDMI stocks and dongles that make screen sharing for laptops, tablets and mobile devices more convenient than ever.

Simply connect a compact ASK nano TX transmitter to a Windows or macOS computer for fast, driver free connection to an ASK nano RX receiver display – no lag, high frame rate, full rich colour video without compression.

ASK nano goes anywhere with no fuss wireless video sharing on demand everywhere.
Compact, yet powerful and easy to use, ASK nano systems enable screen sharing and presentation applications for everyone. With no-lag full fidelity video up to 4K, presentations are immediate and engaging.

- **Plug and play**
  The transmitter can access or search for WiFi connection directly, do not need to install any drivers or applications.

- **Full color gamut**
  ASK nano supports video resolution adaptive and automatic transmission conversion, supports RGB color gamut hardware processing, suitable for maximum visual performance.

- **High sensitivity, low latency**
  Both transmitter and receiver adopt HDMI input interface. The signal transmission speed is much faster compare to the USB interface of the standard product in the market, and the transmitted signal source is higher sensitivity.

- **Simple and compact**
  The device is small in size and can be easily connected to the display screen and projector.

- **Strong device compatibility, support iOS/Android/Windows system applications**

- **Video transmission is less than 129 milliseconds delay**

- **Based on 802.11 AC 2T2R WIFI MIMO, stable connection**

- **1080P**

- **Transmitter and receiver are automatically paired**

- **High reverse thrust protocol, transmission distance is more than 40 meters, signal can through the walls**

- **Wireless function**
  Based on 802.11 AC 2T2R WIFI MIMO wireless automatic pairing technology, ASK nano also supports WiFi hot spot function connection, convenient to connect to mobile phone and Wireless PC terminal.
D Series
Presentation Processors
For high performance 4K video end-to-end

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 features a large integrated touch screen display, not only for feature and configuration but also providing for video previews directly on board.
**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-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.

**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.

**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.

**Chroma Key/DSK**

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

**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.

**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.

**Low Latency**

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

**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.

"D6 shown with optional modules fitted as example"
Designed for 4K video switching for professional applications, D4 is a very flexible switching and scaling solution dual configurable 4K output channel. On board is a comprehensive set of features to process the video requirements of modern 4K signals including those supporting HDR.

Truly multi-signal, D4 may be fitted with a wide range of input signals including HDMI 2.0, DisplayPort 1.2 and 12G-SDI, along with conventional 2K signals. Fully modular, outputs can be duplicated too via the option slot.

Full YUV 4:4:4 and 12 bit on board processing engine, D4 meets the highest performance standards. Whether scan conversion, scaling, seamless presentation switching, or stitching D4 is ideal for performance and broadcast workloads.
**HDR**

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

**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.

**HDR**

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

**Full Colour Gamut**

The D4 advanced video engine offers 12bit YUV4:4:4 processing delivering rich vibrant colours avoiding pre-output compression for superior image performance.

**Multi-Signal 4K Switching**

Highly modular, D4 allows varying 4K signal sources to be synchronised and presented for output and switched seamlessly on demand. Input options include HDMI 2.0, DisplayPort 1.2 & 12G-SDI.

**Pixel to Pixel Scaling**

Scale outputs to any size in the set output resolution.

**Output Splicing**

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

**Dual 4K Output Channels**

D4 is standard with two 4K / HDMI 2.0 outputs configurable in resolution and operation mode. Outputs may be duplicated to optional secondary outputs as HDMI, DisplayPort or SDI.

**Mirror/Flip**

Horizontally or vertically mirror or flip output up to 8K2K. D4 is ideal for projection applications with large format projectors.

**Multi-Layer 4K Video**

Make use of multiple video sources with operation modes for PIP over background presentation mode.

**Crop & Position**

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

**Visual Enhancements**

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

- Chroma
- Brightness
- Hue
- Invert
- Gamma
- Color Temperature
- Noise Reduction

**Genlock**

Sync and frame lock with Genlock Y at up to 4K with selectable resolution. A loop through is provided allowing D4 to sync inline.

**Intuitive Controls**

Configure and control D4 conveniently from the front panel, remotely over a LAN with RGBlink XPOSE or any controller via the RGBlink OpenAPI.
Standard in 2K presentation switching

With unrivalled features and performance, VSP628pro is sophisticated yet easy to use. Flexible in operation, with multiple operation modes, the processor is capable of supporting a wide range of usage scenarios across scaling, presentation switching, cross conversion and more.

True two channel design supports up to eight inputs covering all common signal types including 3G-SDI, HDMI, DisplayPort and more.

VSP628pro offers best-in-class visual performance from the RGBlink video processing engine, and coupled with features such as flip, rotate and Chroma Key, along with EDID management and Genlock the processor is a comprehensive solution platform for processional applications.
VSP 628pro

Format
VSP628pro supports all common formats up to 2368x1664 @ 60Hz. Additionally VSP628pro allows users to specify any custom output resolution within this range.

Position, Scale, Crop & Zoom
The foreground layers (or PIPs) can be positioned, scaled pixel by pixel, cropped and zoomed freely.

Flexible Processor Operations
VSP628pro operation modes provide a high level of configurability allowing an extremely wide range of usage application, making the device ideal for demanding events and broadcast applications alike.

Flip, Mirror, Rotate
Make use of powerful controls to deliver video content to displays in portrait as well as rear projection application. VSP628pro has built-in functionality for mirror, flip and 90 deg increment rotations.

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

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.

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.

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

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.

Genlock
Genlock Y in is included enabling synchronised operations across connected video devices.
X Series
Universal Processors
For large scale video applications, X20 takes hardware-based processing to a whole new level. Ideal for complex applications with diverse signals and resolutions, X20 brings together up to 160 video sources for display across up to a massive 144 outputs in a single robust and modular frame.
4K Native
X20 includes support for common 4K signal types including Dual Link DVI, HDMI and DisplayPort. High resolution signals combined with other resolutions to create windows/layers out output display areas.

Multi-Layer / Multi-Window
With up to eight layers per output slot, windows may be created for any scale, crop, or position. Windows may overlap others as well extend across outputs while tear-free and maintaining completely in sync.

300 Mega Pixel Canvas
For even the largest displays and display systems, X20 gas the capacity to create and deliver on the most ambitious possibilities. Power multiple displays of 8K, 16K and more.

Remote Control & Configuration
All features of X20 may be accessed from the acclaimed RGBlink XPOSE 2.0 software application that features a rich graphical UI. Additionally, X20 may also be integrated in BMS or other control systems using UDP, via the RGBlink OpenAPI.

Hi-Availability Operations
Modularity extends to high performance server-grade power supplies included with X20. For fully power redundant operations, X20 offers slots for secondary power supplies too.

Real Time Data Protection
All current settings are stored in static memory for immediately resumption in the event of recovery from a power loss.

Display Container Management
Create and manage independent output display areas (containers) across multiple outputs, each display area as a virtual pixel space is able to make use of any source and be managed independently from other containers.

Preview Remotely
Configure X20 interactively with source video previews to RGBlink XPOSE control software from dedicated outputs injecting IP video.

Modular by Design
Combine multiple signal types by fitting input and output modules, select from a wide range of signal types.

OSD
Apply text, messaging and subtitles using On-Screen-Display of text as overlays as banners or text only. OSD text is stored on board X20 for recall on demand.

High-Capacity System
X20 card-frame style SmartSlots™ provide for up to 40 input and 36 output modules. The system architecture supports hot swap of modules with auto-detection of inserted module type.
160 Mega Pixel Video Display System

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 are dramatically enhanced with an output canvas of up to 160 mega pixel layer processing.

Dedicated preview functionality is available both remotely via XPOSE and on the inbuilt LCD display with XPOSE embedded directly into the processor for monitoring control capabilities.
**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.

**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.

**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.

**HDR Support**

Process and scale High Dynamic Range signals with selected modules retaining full gamut.

**Preview on Board**

The integrated LCD display allows live source and output video monitoring as well as signal status.

**Local Controls**

Use the built-in in touch screen to not only monitor an X14, but also control selected features and operations directly from the device.

**Streaming Preview**

Manage, operate and monitor with live source previews streamed directly into RGBlink XPOSE

**Connect & Control**

Unleash powerful onboard capabilities with remote configuration and control via RGBlink XPOSE or BMS controllers with RGBlink OpenAPI

**4K / UHD Support**

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

**Video Over IP**

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

**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.

**Stich & Splice Video Walls**

Seamlessly, in complete sync, display video across a display canvas of multiple outputs

**Presentations with Confidence**

Make use of system modes with full active PST and PGM operations

**Deliver in 3D**

Process 3D signals for display across large pixel spaces over multiple outputs

**160 Mega Pixel Display Area**

Arrange outputs on a virtual canvas to create very large display surfaces with 2K and/or 4K components or build multi-display systems synchronised or as independent display containers.

**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.

**HDR Support**

Process and scale High Dynamic Range signals with selected modules retaining full gamut.
Industry leading X series video processing platform takes a massive step into the 8K future with X8. Designed and built for demanding high performance where 4K is the norm, X8 provides unparalleled multi-signal compositing, sync and switching with low latency while maintaining and enhancing visual fidelity.
Live Virtual Control
RGBlink XPOSE 2.0 provides an industry, intuitive to use configuration and control platform for advanced RGBlink processors including X8.
Signals can be previewed live, multiple display system containers built, presets created and managed. Playback facilities include live and broadcast style as well as scheduled timeline-based options and more.

- **Seamless Synchronization**
  RGBlink technologies ensure high performance very low latency hardware-based video processing. Synchronization and delivery of signals of any resolution across multiple outputs is tear-free and scaled pixel-to-pixel.

- **Build for Integration**
  Leverage RGBlink OpenAPI to connect from almost any platform, allowing integration capabilities that go way beyond simply triggering presets or scenes.

- **Powerful Display Systems Controls**
  Unlock unique and extensive device capabilities with the RGBlink XPOSE 2.0 control platform built right into X8 and accessible via a web browser. Create entire display systems comprised of not only multiple resolution displays but also displays of any format or type.

- **Native IP Streaming**
  Stream H.264 video sources via the LAN port providing live previews in browser connected XPOSE 2.0 configurations, presets and playlists.

- **World Leading Development**
  RGBlink designs, develops and manufactures in house, with unique capabilities and draws from the extensive RGBlink IP pipeline and experience in creating the advanced capabilities in the X8 processing platform.

- **Lower TCO**
  Fit modules and components to the X8 system without unneeded overhead or bloat. Hot swap and exchange input and output modules without powering down the overall system. The modular design enables higher up times, ease of maintenance, and operational efficiencies.

- **Full Color Space**
  Process high resolution video without compression or loss. X8 is 4:4:4 native with wide bandwidth in device to process high quality video without compromise. Up-sampling of 4:2:0 and 4:2:2 content to 4:4:4 is also supported

- **8K Source Management**
  Splice 4K inputs and outputs for 8K operations fully in sync tear and glitch free, retaining the rich visual content even when scaled.

- **Seamless 4K & 8K Switching**
  Open, switch and transition video layers seamlessly with full sync even across multiple outputs. Transition between multi-signal, multi-scene presets, and PIP over background layers, bringing together 4K and spliced 8K sources on demand.

- **Up to 48 4K Layers**
  Take advantage of powerful multiple 4K layers – output up to 48 scaled layers/windows on a fully configured system across 12 4K outputs, with up to eight 4K layers on any output port.
Quality without Compromise

Maintain the highest fidelity of source signals without compression or loss with 4:4:4 YUV/RGB colour space.

Manage video chroma sub-sampling and up-sampling of 4:2:0 and 4:2:2 sources for maximum flexibility.

· Extreme Resolutions
  X8 supports 8K multi-cable ultra-high resolution sources in conventional and panoramic configurations, as well as standard 4K and 2K signal formats. For display, configure ultra large displays across multiple 4K outputs using multiple video layers.

· Seamless Video Switching
  All switching is seamless with no black frames and is glitch/tear free across multiple outputs. Switch between presets with fades and cuts, as well as using transition effects.

· Audio Support
  Select embedded audio from any source for re-embedded to any display output.

· Low Latency Cross Conversion
  With the best up-down processing engine in the industry, RGBlink offers the widest signal support capabilities and supports unique custom configured resolutions allowing even more video to be controlled, synchronised and delivered to any display.

· True 4K Multi-Layer Windowing
  Each output slot in X8 supports eight 4K60 layers which maybe assigned freely across outputs, including as eight 4K layers on single 4K output.

· High Performance Backplane
  Maintaining full 4K60 4:4:4 for all signals, the X8 backplane and cross-point offers extreme bandwidth to ensure pixel perfect delivery at every resolution and format.

· Genlock Sync
  Synchronise and Genlock to other devices in a video system, with X8 accepting BlackBurst in.

· Configurable Preview
  The dedicated HDMI is configurable for up to 64 windows for the ultimate in local monitoring capability.

· 8K Workflow Support
  Manage multiple 8K sources and output displays combining with other content as needed.

· Multiple 4K Canvas
  Splice multiple 4K inputs in any configuration including for landscape or panoramic arrangements.
Flexible Canvas Assignment

The ultimate in flexibility, create layouts in pixel space canvas, mapping sources as layers across positioned displays. Save and recall layouts and presets on demand for visually engaging experiences powered at the edge with RGBlink X8.
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.
**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.

**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.

**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.

**LOGO/Frame Capture**

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

**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.

**PVW PVW**

**PGMPGM**

**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.

**Host & Manage Display Systems**

Bring together displays with a single video processor controller with coordinated or independent control and efficient single source processing.

**Presentation Switching**

Preview presets (PST) and TAKE to PGM in broadcast style with controller of choice.

**Video Wall Display & Control**

Create and display a seamless stitched video wall with continuous or dynamic content.

**Creative Displays**

With RGBlink ARO modules fitted, map video across displays arranged physically on a virtual canvas or pixel space.

**Large Scale Projection**

Blend video from the X7 with RGBlink ARO to projection displays arranged in almost any configuration.

**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).

**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.

**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.

**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.

**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.
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 but maintains real-time performance even regardless of the signal load or type.

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 but maintains real-time performance even regardless of the signal load or type.
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.

Multi-Layer | Multi-Window
Output video from multiple sources as layers or windows scaled and positioned across the output pixel space.

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

Preview Sources
Fit up to two P2W 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.

UHD 4K 60Hz Signal Support
Select input and output modules for 4K60 signals – options include HDMI 2.0, DisplayPort 1.2 and 12G-SDI

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

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.

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

4K / Chroma Key
Remove a background from a foreground layer using a preset or manually select color values.

Video Wall Display & Control
Create and display a seamless stitched video wall with continuous or dynamic content.

Presentation Switching
Preview presets (PST) and TAKE to PGM in broadcast style with controller of choice

Creative Displays
With RGBlink ARO modules fitted, map video across displays arranged physically on a virtual canvas or pixel space

Large Scale Projection
Blend video from the X7 with RGBlink ARO to projection displays arranged in almost any configuration.

Synchronise
Genlock and HDMI digital reference inputs are provided, allowing synchronisation with other devices in the system.
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 an 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.
Smart Scaling & Routing
Bring together a diverse range of signal types and resolutions for presentation to outputs whether for continuous displays or routing applications.

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

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.

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.

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.

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

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

Rotate
Rotate outputs in 90 degree increments in support of displays installed in non-standard orientations.

Video Walls
Preview presets (PST) and TAKE to PGM in broadcast style with controller of choice.

Presentation Switching
Preview presets (PST) and TAKE to PGM in broadcast style with controller of choice.

Matrix Routing
Route signals to any output, including HDBaseT and H.264 destinations.

Cost Effective High Availability Platform
X2 is ideal for applications including commercial and retail digital signage, as well as for control rooms and monitoring, with support for dual power supplies and redundant operations. The wide range of module options insures not only bespoke configuration with no overhead, but also ease maintenance and support.
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.
Integrated vision mixer & scaler

*12M*

12 mega pixel capacity

PST to PGM presentation switching

Dedicated background Inserts

Dual LCD displays built in

Genlock Y In

Support for Tally

**Genlock**

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

**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.

**Dual 2K Outputs**

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

**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 as relay monitors, for distributed signals or spliced displays. With the M3s model, AUX outputs add PIP support.

**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.

**Presentation Mixing**

Display and preview multiple video sources duplicated across outputs allowing main and relay display possibilities.

**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.

**Video Wall Presentations**

Present to large video wall displays utilising up to 4K1K with multiple video layers with PST/PGM switching.

**M3e Spliced 4K Presentation**

With an AUX module fitted to an M3 and an HDMI Loop, connect up to four displays to form a 4K display with PIPs and PST/PGM configuration.

**M3e Spliced Displays**

With an AUX module fitted to an M3, connect up to six displays to form a video wall of up to 8K1K.
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.
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.

**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 a wide range of included masks, and in additional users may load custom masks for more creative control. Other effects available include DSK/Chromakey and blend edge softening effect.

**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.

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

**Presentation Mixing**
Display and preview multiple video sources with PIP fade-in fade-out over background layer.

**Spliced 4K Presentation**
Use all four outputs to form a 4K display fully synchronised and tear free.

**Presentation Switching with Effects**
Add a standard or custom mask to a PIP layer to enhance the presentation.

**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.

**Video Wall Presentations**
Present to large video wall displays utilising up to 4K1K with multiple video layers with PST/PGM switching.
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 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.
**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.

**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.

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

**Touch Screen Control**
Access all the features of M1 easily and conveniently.

**Source Selection Keys**
See the status of sources and select sources for PST from dedicated keys.

**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 maybe shown on the PVW as visual confirmation of source and output.

**Modular by Design**
Each input is individual and are user fit – choosable 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 + SDI + USB 3.0

**Transition Effects**
Transition between PST & PGM with cut, fade or transition via the T-bar or single touch controls.

**Preset Banks**
Store settings and recall presets with a single key press.

**Standard & Broadcast Models**
Available in two model variants, the M1 model having audio bars on the Multiview and the preset buttons transformed as audio controls.
FLEX Series
Mixed Signal Matrix
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 Subito 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.

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.

4K / UHD Support
Select from digital input and output options including HDMI.

4K / UHD Support
Select the operation mode suitable for the application from continuous video wall mode to presentation mode and routing modes.

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.

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

FLEX multi-signal matrix
Mixed Signal Matrix
Subito Series
LED Control Solutions
UMS Series
Media Solutions
RMS Series
Monitoring Solutions
MSP Series
Video Tools
Extenders
Signal Convertors
Signal Distributors
ASK Series
Collaboration Solutions
CAPTURE
SWITCHER
ENCODER
CLOUD/DECODER
ASY Series
Collaboration Solutions
PRO AV
D Series Digital Processors
X Series Universal Processors
M Series Mixing & Slicing
FLEX Series Mixed Signal Matrix
Q Series Multi-signal Matrix
T Series Switch/Slopes
T Series Control Consoles
Subito Series
LED Control Solutions
UMS Series Media Solutions
RMS Series Monitoring Solutions
MSP Series View Switch solutions
Signal One solutions
Software
Reference
Contact

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

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

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

Front LCD Monitoring
The integral LCD provides local monitoring and status of FLEXpro8.
LED Control System
With RGBlink Subito built directly into 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 FLEXpro 8 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.
**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.

For splicing applications – ideal for LED displays – FLEX RS1 is an easy to use compact processor for up to 8K x 1K.

---

**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 may be 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.
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.

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.

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

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 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 maybe 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.

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

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 four outputs to create a 8K wide display. Use up to four PIP layers.

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.

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.

Product shown with optional modules fitted. Refer Specifications and Guides for more information.
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-focused structure that maximizes flexibility and allows installation with the overhead of unutilized signals.

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.

**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 option 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 or 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.

**Fully Modular Design**

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-focused structure that maximizes flexibility and allows installation with the overhead of unutilized signals.
Q Series
Multi-signal Matrix
Proven LCD videowall technology has never been more affordable and accessible with Q Series solutions to provide the essential connectivity and processing between video connect and videowall display. Available in 16 output models, Q Series processors are ideal for applications across commercial, retail, security and more. Tailored for connectivity LCD displays, Q16 reduce complexity of managing and supporting these displays. In applications such as security where extensive multi-window display is required, Q Series solutions offer even more power performance. With a modular design, Q Series frames can be fitted with signals of choice for particular applications.
Q16pro adopts a high-performance video image processing system with a pure hardware wire-speed processing architecture, which is suitable for education and scientific research, government announcements, information publishing, administrative management, military command, exhibitions, security monitoring, commercial sales and other industries. The modular input and output card structure is adopted, and the arbitrary mixing function of the input card is realized at the same time. It not only can easily access the common HDMI/DVI/VGA/YPbPr/ Component and other multiple signals, but also support DP1.2, HDMI2.0 and other ultra-high resolution 4K/8K signal input and output, easily realize 4K multi-screen point-to-point splicing. Designed for LED displays, it can flexibly realize unconventional resolution customization, especially optimized for non-standard signals, with strong customization capabilities, and realize flexible window roaming, picture zoom and other functions.

4 - 26U models optional
Q16pro has 4-26U chassis options, and adopts a hybrid output card slot design, which greatly increases the user's flexible and changeable choices, and can support up to 160 inputs and 160 outputs at the same time.

OSD rolling subtitles
Support static and dynamic OSD subtitles. You can modify the subtitle font, character size, color and subtitle background color.

3D stitching
Supports left and right eye 3D stitching mode, 120HZ input and output 3D stitching mode internally locks frame synchronization, 3D segmentation and fusion are completely seamless. One-key switching of scenes between 2D mode and 3D mode is realized through software.

Layer overlay, zoom, roam
Layer is the soul of the video splicer. Q16pro uses the latest FPGA algorithm to cross output ports without occupying layers. A single port can support up to 8 screens at the same time, each layer has arbitrary zoom and arbitrary roaming functions, giving customers full freedom. It also supports the partial cropping function, which makes it easy to capture the partial screen.

0-360 degree arbitrary rotation stitching
Support arbitrary angle (0-360) rotation and arbitrary dot pitch creative splicing. Support mixed splicing of large and small screens, support mixed splicing of LED/LCD/projection.

4K UHD
Supports input and output modules that support 4K signals such as HDMI2.0, DP 1.2, HDMI 1.4, DVI, etc., and EDID can be edited. In the 4K era, it is natural to have a larger display resolution and a more shocking display effect.

Output custom resolution
Single-port output supports 2.5 million pixel customization, and the maximum width or height within the range of 2.5 million pixels can support 3840 pixels, making it easier for users to control the loading scheme.

Streaming echo
The PVW preview card has an RJ45 echo network port and an HDMI output monitoring. The XPOSE visualization software interface can realize input source preview and output echo. The HDMI output can be connected to the monitor and can preview up to 64 inputs to meet the real-time display needs of customers.
**Product solutions**

A splice input multiple-output amplifying

- 4K PC
- 2K Send card×6
- 2160
- 5760

4K multi-input multi-output point-to-point splicing

- HDMI2.0
- 4K Send card×6
- 4320
- 11520

Multi-picture + splicing display

- Camera
- 4K PC
- 2K Send card×4
- 2160
- 3840

Independent display, while a plurality of tape carrier LED, LCD, projection screen

Audio and video synchronization switching

Supports embedded audio and external audio input, audio output and video output can be switched synchronously according to different scenes.

XPOSE 2.0 control

The main body of the RGBlink software ecosystem. Scene editing, modification, preset switching, system settings, interface configuration, user authority management and other functions. Communicate with equipment via TCP/IP and RS232.

Full range of interfaces and mixed card slot function

With the mature standard interface form on the market, customers can easily combine input and output modules. The output card slot supports input mixed insertion, which is simple and flexible, and adapts to various flexible site changes of customers.

**Streamline**

- CAPTURE
- ENCODER
- CLOUD/DECODER
- ASK Series
- Control Consoles
- Universal Processors
- M Series
- Mix & Scaling
- FLEX Series
- Multi-Input Matrix
- Q Series
- Switcher/Scalers
- T Series
- LED Control Solutions
- UMS Series
- Media Solutions
- RMS Series
- Monitoring Solutions
- MSP Series
- Video Switchers
- Signal Distributors
- Accessories
- Software
- Reference
- Contact
1 Series
Switcher/Scaler
GX4pro is a video processor which supports DVI output resolution at 2048x1152@60 and offers multiple test pattern output resolution options. Beside standard with a 1 HDMI (with loop), 1 CVBS, 1 VGA, 1 DVI and 1 pair of Audio analog connectors, it also comes with 1 empty module slots for any single input modules selecting from HDMI, DP, DVI, SDI, CVBS and USB modules. Capability of support any input makes GX4pro have features of PIP (dual pictures), synchronized video with audio control and seamless switching between different inputs. Moreover Extended Display Identification Data (EDID management) make sure display perfectly spot to spot. GX4pro can work as LED display controller when universal senders cards is installed. There are 2 empty slots fitting for one 2.6 mega pixels sender card or two 1.3 mega pixels sender cards. RGBlink dedicated sender card module SubitoNX™ Quatro is an also an option to control LED display. It provides 2.3 mega pixels display up to horizontal 3840 pixels or vertical 1920 pixels, through 4 RJ45 ports.

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

Seamless Switching
GX4pro 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 including, 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.

Audio Integrated
GX4pro 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 idea is for transmission of audio together with video to remote LED displays that contain speakers such as in digital signage applications. Integrated audio capabilities on GX4pro adds to the processors capabilities as a complete solution.

LED Display Configuration
Set up and dynamically configures connected LED displays directly from within the GX4pro 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.

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

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

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 console display video sources directly in the configuration allowing users to have a realistic representation of both presets and preview/program operations.

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.

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

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.

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.
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.

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.

Generate Complete Display Solutions

For rental or multisite roll outs, build a library of LED display assembles 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 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.
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 Subito TX 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.

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 to manufacturer certified profile when using panels in displays.

* Subito RX Receiver technologies available from select certified manufacturers and OEMs
The Platform for Performance Media Software

Digital media delivery, whether player, server or capture applications are demanding in the extreme, requiring the best in high performance hardware. The RGBlink UMS Series of computer hardware delivers just that, with latest generation Intel i7 processors and a choice of professional Nvidia and AMD Radeon GPUs.

Reliability is essential too, with UMS media servers including features such as hot-swappable redundant power supply options, front panel SSD slots, dual port networking along with front panel monitoring from the integral touch screen display.

Connectivity is king with up to 12K of configurable output via the RGBlink isolated DisplayPort connector panel, protecting the GPU card from connector turn degradation. Two slots are provided for installation of a select platform approved capture cards including 12G-SDI and HDMI 2.0.

Robustness and reliability of the UMS platform is further enhanced with a rugged rack mount housing and internal dampening.

UMS solutions are ideal companions for video wall processors and similar devices, and perfect for integration, digital signage and events applications.

- Installation friendly high performance media graphics platform
- Choice of three models
- Workstation CPUs & GPUs
- Windows 10 pre-installed
- RGBlink MPS media processing system
- Support for BYO media server software & apps

Control Remotely
RGBlink Advanced Media Processing System (MPS) software access licenses are provided, enabling remote connection a control of media on a UMS4.

Control multiple MPS instances remotely, providing opportunities to deliver media at almost any scale

Multi-Source Layering
Use RGBlink MPS to configure and output multiple video sources as layers, windows or PIPs, allowing outputted media to be tailored the needs of downstream processors and displays directly from the source.

Multi-4K Video Platform
True multi-signal 4K and 8K video delivery platform, the UMS4 Series media provides the raw power demanded for modern hi-density and largescale media display applications with ease.

* UMS4 max shown as example configuration. Refer to Specifications and Guides
Choice of Three Models

UMS4 is available in a range of models, scaling to the most demanding workloads. Select from pro, plus and max. The max model features a 14 core Intel i9 processor coupled two Nvidia Quadro P5000 GPUs.

Each UMS4 model is optimized with pro workstation components for overall video performance.

<table>
<thead>
<tr>
<th>Model</th>
<th>CPU</th>
<th>Memory</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>pro</td>
<td>Intel i7</td>
<td>10th Gen Comet lake 12/24 Thread</td>
<td>Kingston HyperX Fury 32GB DDR4 3200</td>
</tr>
<tr>
<td>plus</td>
<td>Intel i9</td>
<td>10th Gen Comet lake 16/32 Thread</td>
<td>Kingston HyperX Fury 64GB DDR4 3200</td>
</tr>
<tr>
<td>max</td>
<td>Intel i9</td>
<td>10th Gen Comet lake 14/28 Thread</td>
<td>Samsung M.2 2TB Internal SSD</td>
</tr>
</tbody>
</table>

Video Capture Connectivity

Dual slots are provided for the installation of capture cards. Choose from 2K & 4K selected RGBlink certified Magewell HDMI and SDI options that are independently mounted from the back panel via an RGBlink connector panel to improve reliability and service life.

RGBlink MPS

Advanced Media Processing System software takes full advantage of the available GPU to deliver enhanced video output from on-disk pre-recorded or capture sources free of jitter and motion-blur.

MPS supports full bandwidth uncompressed video with full fidelity, whether delivering to one output or four, splitting and stitching across outputs to requirement at full frame rate.

Touch Screen Display & App Launcher

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

The UMS app launcher boots to the front panel display allowing quick and easy way of launching software as well as a range of diagnostics.

UMS 4 max

Standard with eight DisplayPort 1.4 outputs, UMS4 max supports resolutions up to 7680x4320@30 or 7680x2160@60 on single cable or up to eight 4K displays.

UMS 4 plus

Featuring mDP (mini DisplayPort) outputs with DP1.4, UMS4 plus powers up to six 4K displays.

UMS 4 pro

Four 4K DisplayPort 1.4 outputs.
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 angel adjustable.

RMS 8424S

Displays to Impress
RMS 1A and RMS 8424S 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 8424S has built in speakers complimenting each display, along with mini Jack sockets

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 8424S also having dedicated Composite in/loop connectors, and optionally 3G-SDI in/loop.

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 additional 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.

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.
MSP Series
Video Tools/Extenders
Signal Convertors
Signal/Signal Distributors
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.

The MSP 311 HDMI 2.0 Audio Extractor with HDCP 2.2 could extract audio signals from any HDMI compliant source to digital optical or analog stereo L/R audio outputs. Further, both input and output HDMI support video resolution up to 4K 2K@50/60Hz (YUV4:4:4). It supports 10bits HDR (High Dynamic Range) pass through and HDMI high resolution digital audio formats bypass, LPCM 2CH, Dolby True HD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up 192kHz. HDCP 2.2 and CEC bypass are supported.

Meeting the growing requirements for distributed management, control and display of compute and other video systems, IC2 is so much more than KVM. IC2 provides secure IP based and advanced RGBlink video technologies for demanding environments where high performance and quality are essential. Designed for multi-point applications, RGBlink IC2 are universal transmitter receivers that can be employed in a wide range of combinations in support of a diverse and dynamic range of applications. Each device as receiver/RX can support display of multiple video sources in flexible layouts with features including zoom and overlay. Videos sources up to 1080p60 are delivered with low latency and high quality. Switching between sources is seamless and glitch free. USB mouse, keyboards and serial control devices may be used allowing remote control of connected computers from any designated point of control.
**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 via mini jack connections, too.

**MSP 330 – 10G SDVoE Fiber Extender**

Encode and transmit HDMI over IP with support for HDMI 2.0, 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)

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.

**MSP 325N – HDMI 2.0 Encoder**

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 too via mini Jack connections.

**MSP 320 – 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 via mini jack connections, too.

**MSP 315-4 – HDMI 1.4 to HDBaseT Extender Set**

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.

**MSP 325H – HDMI Encoder**

Encode HDMI signals for H.265 or H.264 IP streaming transmission with the MSP325H. 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.

**MSP 326L – H.265 Decoder And Transcoder**

MSP 326L supports stream decoding of mainstream standards such as H.265 and H.264; supports standard Audio and video stream decoding in quasi-TS stream format; HDM output resolution can support 4K@60Hz (3840*2160@60HZ) Support HLS, RTMP, RTSP, UDP/MULTICAST, Onvif and other mainstream the network protocol; 1 channel two-channel audio output, supports decoding of AAC-LC, G.711 audio formats; Built-in webserver for management and configuration via browser.

* MG product may be fitted into MSP Garage
MSP Extenders – Fiber

MSP 209M – Ethernet | Multi Mode Fiber
For Ethernet connections up to 1km, MSP209M is an IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX compliant device set, supporting up to Gigabit Ethernet. MSP 209M is supplied "ready to use".

MSP 209S – Ethernet | Single Mode Fiber
For Ethernet connections up to 10km, MSP209S is an IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX compliant device set, supporting up to Gigabit Ethernet. MSP 209S is supplied "ready to use".

MSP 214 – DVI | Fiber
Delivered as a Transmitter and Receiver set, MSP214 features DVI-I connectors supporting DVI 1.0 signals up to 2560x1600@60Hz, 1920x1200@60Hz (WUXGA), and 2048x1200@60Hz. HDMI signals with the use of an adapter are also supported up to HDMI 1.4. With low loss, high bandwidth 10Gbps transmission over fiber optic cable MSP214 provides solution for extended transmission of DVI.

MSP 318N – HDMI 2.0 Fiber Extender Set
The MSP 318N is an HDMI 2.0 optical fiber transmission extender consisting of a transmitter and a receiver. Equipped with corresponding SFP multi-mode fiber and single-mode 10 Gigabit fiber transmission, it can transmit the longest distance of 300M and 60KM respectively. Support 4K@60HZ (YUV4:4:4), support HDR and HDCP2.2 standards.

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 MSP314-2 from supplied plug-packs.

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 MSP314-4 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 a restricted space. MSP318-4 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.

* MG product may be fitted into MSP Garage
**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.

**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 ¼” 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.

**MSP 303 – SDI to HDMI Mini Convertor**

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

**MSP 304 – HDMI to SDI Mini Convertor**

MSP 304 is a HDMI to SDI video convertor 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. SDI output supports 720x480@60 | 1280x720@60 | 1920x1080@23.98/24/25/29.97/30/50/59.94/60, while the SDI output supports 720x480@60 | 1280x720@60 | 1920x1080@23.98/24/25/29.97/30/50/59.94/60.

**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 1920x1080@60.

**MSP 305 – SDI-HDMI | HDMI-SDI Mini Convertor**

A 2-in-1 convertor, MSP305 offers both an SDI to HDMI converter and independently an HDMI to SDI convertor 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.

**MSP422 – HDMI Matrix 4K 2K Converter**

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. On-board configuration via DIP switches is available as is remote configuration over USB.

**MSP 422 – HDMI Matrix 4K 2K Converter**

Matrix HDMI 2.0 signals with this 4 in 2 out matrix or use as a 4K to 2K convertor. Signals up to 4K@60Hz 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.

---

* MG product may be fitted into MSP Garage
MSP 210D – DISPLAYPORT | SDI with Scan Convertor
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.

MSP 210V – VGA | SDI with Scan Convertor
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 Convertor
Convert HDMI in VESA formats at 60Hz including 800x600, 1024x768, 1280x720, 1280x768, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900, 1400x1050, 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/scan 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.

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. MSP312 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.

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 Flax, 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.

* MG product may be fitted into MSP Garage
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.

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 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.
Flightcases

IU Rack Sleeves
Robust yet Lightweight protection for IU 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. Available with 320mm and 565mm.

4U Rack Case
Protection for 4U of 19" rack mounting equipment. Removable covers front and rear, plus heavy duty lifting handles, recessed latches and ball corners. Internal depth 550mm.

Video Cable

DP to DP Cable
- Product Description: 2x DP to DP connector
- Performance: 2x DP to DP connector
- Environment: Working Temperature: -20 °C ~80 °C
- Dimensions (Net): Connector / 42mm×42mm×11.4mm
- Weight (Net): 7m (0.79kg) / 10m (1.07kg) / 15m (1.53kg)

DVI to DVI Cable
- Product Description: 2x DVI to DVI connector
- Performance: 2x DVI to DVI connector
- Environment: Working Temperature: -20 °C ~80 °C
- Dimensions (Net): Connector / 42.5mm×40mm×15.6mm
- Weight (Net): 7m (0.79kg) / 10m (1.07kg) / 15m (1.53kg)

HDMI to HDMI Cable
- Product Description: 2x HDMI to HDMI connector
- Performance: 2x HDMI to HDMI connector
- Environment: Working Temperature: -20 °C ~80 °C
- Dimensions (Net): Connector / 42mm×21mm×11.4mm
- Weight (Net): 7m (0.79kg) / 10m (1.07kg) / 15m (1.53kg)

HDMI to DVI-D Cable
- Product Description: 2x HDMI to DVI-D connector
- Performance: 2x HDMI to DVI-D connector
- Environment: Working Temperature: -20 °C ~80 °C
- Dimensions (Net): Connector / 42mm×21mm×11.4mm
- Weight (Net): 7m (0.79kg) / 10m (1.07kg) / 15m (1.53kg)
Mini DP to DP Cable

- Thunderbolt 2 Port Compatible
- Synchronous transmission of 4Kx2K 3060Hz audio and video
- Lightweight and portable
- Gold-plated connectors resist corrosion

Mini DP to DVI Adapter

- Thunderbolt 2 Port Compatible
- Synchronous transmission of 4Kx2K audio and video
- Lightweight and portable
- Gold-plated connectors resist corrosion

Cables

- HDMI 2.0 AOC Active Optical Cable
  
  - Supports computer resolutions up to 1080P and 4Kx2K
  - Hybrid optical cable with fiber and copper wire

Optical fiber cable

- 2/4/6/8/12 core outdoor optical fiber cable
- Multi-strand 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
- G657A compliant optical fiber, excellent strechability and anti-bending feature
- FPC jacket to prevent mice biting
- Working temperature: -40~80°C
- Fit for rental application
- Optional cable reel for easy storage

- CAT5E/Cat6 Cable
  
  - Durable break-resistant connector
  - Copper terminals with anti-oxidation Nickel & Gold plating
  - 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 wires to conduct with low resistance
  - 50um plating connectors durable over 1000 repeated plug and unplug
  - Velcro strap for easy storage

- Cat5E/Cat6 - Supports computer resolutions to 1080P and 4Kx2K (60Hz)
- No loss of signal – delivering crystal clear digital images instantly
- Hybrid optical cable with fiber and copper wire
- Support HDCP
- Self-detecting function for EDID information
- No loss of signal – delivering crystal clear digital images instantly
- Supports computer resolutions to 1080P and 4Kx2K

- Cat5E/Cat6 AOC Active Optical Cable
  
  - Supports computer resolutions to 1080P and 4Kx2K (60Hz)
  - Hybrid optical cable with fiber and copper wire

- Cat5E/Cat6 - Supports computer resolutions to 1080P and 4Kx2K (60Hz)
- No loss of signal – delivering crystal clear digital images instantly
- Supports computer resolutions to 1080P and 4Kx2K (60Hz)

- Cat5E/Cat6 AOC Active Optical Cable
  
  - Supports computer resolutions to 1080P and 4Kx2K (60Hz)
  - Hybrid optical cable with fiber and copper wire

- Cat5E/Cat6 - Supports computer resolutions to 1080P and 4Kx2K (60Hz)
- No loss of signal – delivering crystal clear digital images instantly
- Supports computer resolutions to 1080P and 4Kx2K (60Hz)
Modern software app for universal processors and more. XPOSE redefines what control of video processors can be XPOSEing 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 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 synchronisation;
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 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.

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.

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

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.

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.

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

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.

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.

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.

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

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.

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.

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.

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

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.

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.

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.

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

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.

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.

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.

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

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.

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.

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.

Configuring output displays (monitors) on a virtual canvas pixel-by-pixel. On a separate layer, then place video sources dynamically, position as required.
XPOSE Mobile, fully developed in house by the RGBlink team provide a convenient remote control and configuration of universal and presentation processors.

XPOSE mini APP is a mobile version APP customized by RGBlink for the mini series. It can be completely separated from the local and computer version of XPOSE control and can quickly and easily achieve various function management applications on the mobile phone APP.

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

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 allowing 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
XTOOLS 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.
Common Terminology

SDI Video signal standardized in SMPTE 424M that uses 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 mode 4.

YPrPb Used to describe the colour space for progressive-scan. Otherwise known as component video.

BNC Stands for Baysonet 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.

SDI 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 signals.

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-horizontal-timings (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 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.

NTSC 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 television systems, a burst of subcarrier frequency located on the back part of the composite video signal. This serves as a colour synchronising 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-Within-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 the 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.

Satisfaction 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 satisfaction. Satisfaction 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.

HDPC High-bandwidth Digital Content Protection (HDCP) was developed by Intel Corporation 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.
Common Terminology

**SDVoE** Software Defined Video over Ethernet (SDVoE) is a method for transmission, distribution and management of 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-4 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.

**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.

**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.

**PRO AV**

**Dimensions**

- **D6**
  - Dimensions: 483mm x 484mm x 15.1kg
  - Height: 45mm
  - Width: 484mm
  - Depth: 483mm

- **D4**
  - Dimensions: 482mm x 483mm x 7.2kg
  - Height: 45mm
  - Width: 484mm
  - Depth: 483mm

- **VSP628pro**
  - Dimensions: 483mm x 484mm x 3.7kg
  - Height: 45mm
  - Width: 484mm
  - Depth: 483mm
# Feature Comparison

## All-In-One Mixers | Universal Processors | Scalers

<table>
<thead>
<tr>
<th>Feature</th>
<th>YPbPr (Component)</th>
<th>Universal Processor</th>
<th>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).</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>All-In-One Mixers</strong></td>
<td></td>
<td></td>
<td>köper</td>
</tr>
<tr>
<td>Output Slots</td>
<td>2 x 4</td>
<td>2 x 4</td>
<td>2 x 4                                                                köper</td>
</tr>
<tr>
<td>HDMI</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>SDI</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>YPbPr (Component)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Audio</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Analog</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Digital</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td><strong>Universal Processor</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Slots</td>
<td>2 x 4</td>
<td>2 x 4</td>
<td>2 x 4                                                                köper</td>
</tr>
<tr>
<td>HDMI</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>YPbPr (Component)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Audio</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Analog</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Digital</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td><strong>Scalers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Slots</td>
<td>2 x 4</td>
<td>2 x 4</td>
<td>2 x 4                                                                köper</td>
</tr>
<tr>
<td>HDMI</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>YPbPr (Component)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Audio</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Analog</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
<tr>
<td>Digital</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes                                                                köper</td>
</tr>
</tbody>
</table>

## Specifications

- YPbPr (Component) is available on the VGA interface via adapter.
- Continuous operations may be referred to as 'Video Wall' or 'Standard' mode.
- 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).
## Collaboration Solutions

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>450-1001-01-0</td>
<td>ASK Pro Set</td>
<td>2× TX (ASK max) + 1× RX (ASK mini)</td>
</tr>
<tr>
<td>450-1004-01-0</td>
<td>ASK nano Meet Set</td>
<td>2× nano TX + 1× nano RX</td>
</tr>
</tbody>
</table>

## All-In One Scania & Maxing

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310-0003-31-1</td>
<td>M3</td>
<td>Presentation Processor and Vision-Mixer with HDB-PS/PS/PS &amp; PVW Modules, with Tally/OSD-Corol Module with Tight none Input &amp; AUX Output modules sold separately</td>
</tr>
<tr>
<td>210-3072-12-0</td>
<td>M2</td>
<td>Scale &amp; Vision Mixer with 3 pieces EXT Module with PVW, Tally Module with Tight none Input modules sold separately</td>
</tr>
<tr>
<td>220-0001-01-0</td>
<td>M1</td>
<td>Scale &amp; Vision Mixer with TALLY input &amp; Output modules sold separately (conditional option packaged)</td>
</tr>
</tbody>
</table>

## Streaming Switcher

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>230-0001-01-0</td>
<td>mini</td>
<td>2× 4K HDMI mini switcher support audio input and output USB 3.0 streaming output 6 picture preview</td>
</tr>
<tr>
<td>230-0001-02-0</td>
<td>mini+</td>
<td>mini w/ features of loops Chrome Key and PTT control</td>
</tr>
</tbody>
</table>

## Universal Processors

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310-0020-01-0</td>
<td>X20</td>
<td>16x41 Universal Processor with 1 Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>310-0014-01-0</td>
<td>X14</td>
<td>80x8 Universal Processor with 2 Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>310-0007-00-0</td>
<td>X7</td>
<td>32x32 Universal Processor with 1 Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>110-0003-41-0</td>
<td>X3</td>
<td>64x64 Universal Processor with 1 Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>310-0002-01-0</td>
<td>X2</td>
<td>32x32 Universal Processor with 2 Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
</tbody>
</table>

## Presentation Processors

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-0004-01-0</td>
<td>D4</td>
<td>4K Dual Channel Presentation Processor With HDMI 2.0 and Eaminar Output Module Other inputs and outputs are optional</td>
</tr>
<tr>
<td>100-0628-03-0</td>
<td>YSPM28pro</td>
<td>2× Dual Channel Professional Presentation Switcher</td>
</tr>
<tr>
<td>110-0628-01-0</td>
<td>D6</td>
<td>4K Multi-Channel Presentation Switcher with 3 Power Supply fitted with Tally/OSD-Corol Module HDMI fitted Input &amp; Output modules sold separately</td>
</tr>
</tbody>
</table>

## Switchers/Scalers

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-0001-02-2</td>
<td>X1</td>
<td>2K Scale &amp; Switcher with EXT3 fitted</td>
</tr>
<tr>
<td>110-0001-10-0</td>
<td>X1pro EXT</td>
<td>4K Scale &amp; Switcher with EXT3 fitted</td>
</tr>
</tbody>
</table>

## Media Solutions

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>820-0001-01-0</td>
<td>UMS 4</td>
<td>Universal Media Server hardware, RFO operating system inputs capture by optional input modules 4K Outputs by optional output modules</td>
</tr>
</tbody>
</table>

## Remote Control Consoles

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>250-0001-01-0</td>
<td>T1</td>
<td>Control Console for universal processors</td>
</tr>
<tr>
<td>250-1090-01-0</td>
<td>Tgo</td>
<td>Control surface with desktop and rack accessory</td>
</tr>
</tbody>
</table>

## Preview Monitors

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-8424-01-0</td>
<td>RMS8424</td>
<td>Dual LCD Monitor with CBVS/DSV/SVGA/HDM</td>
</tr>
<tr>
<td>410-8424-01-0</td>
<td>RMS1A</td>
<td>Single 8×4 Display switch with DVI I input DVI2/HDM and USB input</td>
</tr>
<tr>
<td>400-1516-01-0</td>
<td>RMS1516</td>
<td>Single 15 inch display with HDMI 2.0 input, 3 HDMI 1.3 inputs, 1 3G/HD/SDI SEI input, 1 DVI input, 1 VGA input</td>
</tr>
</tbody>
</table>

## Videowall Control

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>790-0001-20-0</td>
<td>FLEX5pro B</td>
<td>16x16 Universal Processor with single Power Supply fitted Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>700-0001-01-0</td>
<td>FLEX 8S1</td>
<td>Rotation/Blending/Scaling Processor with 4× input &amp; 4×6K DVI Outputs</td>
</tr>
<tr>
<td>710-0008-00-0</td>
<td>FLEX 8</td>
<td>8x8 Matrix Processor EXT sold separately Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>710-0016-00-0</td>
<td>FLEX 16</td>
<td>16x16 Matrix Processor EXT sold separately Input &amp; Output modules sold separately</td>
</tr>
<tr>
<td>710-0004-02-0</td>
<td>FLEX84ml</td>
<td>with a 4K2K60 input module, and 4 DVI output modules and 2 EXT output modules as standard, other modules are optional</td>
</tr>
</tbody>
</table>

## Hyper Multiwindow Video Wall Processor

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>711-0016-00-0</td>
<td>Q16-4U Universal Processor</td>
<td>Max 16x16 Universal Processor with Power Supply fitted Input &amp; Output modules sold separately, 4 Unit size. Max support 8 input modules and 8 output modules</td>
</tr>
</tbody>
</table>
### Mini (MSP) Series-Distributors

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>620-0016-01-0</td>
<td>MSP216</td>
<td>1 DVI In/2 DVI Out Distributor</td>
</tr>
<tr>
<td>621-0319-04-0</td>
<td>MSP919</td>
<td>1 SDI In/1 SDI Out Distributor</td>
</tr>
<tr>
<td>920-0005-01-0</td>
<td>MSP Garage with PSU</td>
<td>Rack frame for MSP products with integrated power management</td>
</tr>
<tr>
<td>621-0316-02-0</td>
<td>MSP316</td>
<td>1 HDMI2.0 In/2 HDMI2.0 Out Splitter or 2 HDMI 2.0 In/1 HDMI 2.0 Out</td>
</tr>
<tr>
<td>621-0316-01-0</td>
<td>MSP316H</td>
<td>HDMI 2.0x1x2 Splitter</td>
</tr>
</tbody>
</table>

### Mini (MSP) Series-Extenders

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>610-0009-01-2</td>
<td>MSP209S</td>
<td>Ethernet to Single Mode Fiber Extender Set</td>
</tr>
<tr>
<td>610-0009-02-2</td>
<td>MSP209M</td>
<td>Ethernet to Multi Mode Fiber Extender Set</td>
</tr>
<tr>
<td>610-0214-01-2</td>
<td>MSP214</td>
<td>HDMI/SDI to Fiber Extender Set with”, ” or ”without” SFP Module”, ”or” Options” SDI to Fiber Extender</td>
</tr>
<tr>
<td>610-0317-01-0</td>
<td>MSP217</td>
<td>HDMI/SDI to Cat6a/6 Extender Set</td>
</tr>
<tr>
<td>610-0215-01-2</td>
<td>MSP215S</td>
<td>HDMI/SDI to Cat6a/6 Extender Set (max 100m), with ”SFP” or ”without SFP”</td>
</tr>
<tr>
<td>611-0315-01-0</td>
<td>MSP215S</td>
<td>HDMI/SDI to Cat6a/6 Extender Set (max 100m), with ”SFP” or ”without SFP”</td>
</tr>
<tr>
<td>610-0225-01-1</td>
<td>MSP225S</td>
<td>HDMI / HS264 Streaming Encoder</td>
</tr>
<tr>
<td>611-0206-01-1</td>
<td>MSP225</td>
<td>HDMI / HS264 Streaming Decoder</td>
</tr>
<tr>
<td>611-0021-01-0</td>
<td>MSP214-2</td>
<td>2xSDI/HD/SDI Fiber Converter, for 2 Fiber Set</td>
</tr>
<tr>
<td>611-0112-01-0</td>
<td>MSP214-1</td>
<td>4x/10 HDMI Fiber Converter, for 1 Fiber Set</td>
</tr>
<tr>
<td>611-0012-01-0</td>
<td>MSP218-4</td>
<td>4x/10 HDMI Fiber Converter (4x4 SDI, for 1 Fiber Set)</td>
</tr>
<tr>
<td>520-0001-01-0</td>
<td>DVI 1 Inline Active Extender</td>
<td>With DVI female input and DVI female output</td>
</tr>
<tr>
<td>921-0002-01-0</td>
<td>HDMI A Inline Active Extender</td>
<td>With HDMI female input and HDMI female output</td>
</tr>
<tr>
<td>611-0415-01-0</td>
<td>MSP415T</td>
<td>HDMI/SDI to Fiber Extender Set (max 100m), with ”SFP” or ”without SFP”</td>
</tr>
<tr>
<td>611-0315-01-0</td>
<td>MSP415T</td>
<td>HDMI/SDI to Fiber Extender Set (max 100m), with ”SFP” or ”without SFP”</td>
</tr>
<tr>
<td>601-0325-01-0</td>
<td>MSP425</td>
<td>HDMI 1.4 to HDMI 2.0 Extender Single Channel</td>
</tr>
<tr>
<td>601-0325-01-0</td>
<td>MSP426</td>
<td>HDMI 1.4 to HDMI 2.0 Extender Single Channel</td>
</tr>
<tr>
<td>661-0329-01-0</td>
<td>MSP329T</td>
<td>HDMI 1.4 to Ethernet and Fiber with KVM</td>
</tr>
<tr>
<td>661-0329-01-0</td>
<td>MSP329R</td>
<td>HDMI 1.4 to Ethernet and Fiber with KVM</td>
</tr>
</tbody>
</table>

### LED Control Solutions

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>820-1004-02-0</td>
<td>GX4</td>
<td>Scaler &amp; Switcher with RGBLink Subito build in</td>
</tr>
<tr>
<td>820-2004-01-0</td>
<td>Subito sender box</td>
<td>Integrated Subito 4 Quatro Sender/Controller with USB and HDMI inputs</td>
</tr>
<tr>
<td>790-1001-25-0</td>
<td>Subito sender card</td>
<td>LED Control Module for Processors &amp; Gigabit 4x405 port sender card</td>
</tr>
<tr>
<td>850-2001-01-0</td>
<td>Subito Receiver Card-Apollo 2001</td>
<td>Four 26-core bivewide needle output, reverse welding</td>
</tr>
<tr>
<td>850-2002-01-0</td>
<td>Subito Receiver Card-Apollo 2002</td>
<td>Four 26-core bivewide needle output, reverse welding</td>
</tr>
<tr>
<td>850-2100-01-0</td>
<td>Subito Receiver Card-Apollo 2003</td>
<td>Two 60-core bivewide needle output, reverse weld</td>
</tr>
<tr>
<td>850-1200-01-0</td>
<td>Subito Receiver Card-Eos 1200</td>
<td>Two 50-core applications interfaces</td>
</tr>
<tr>
<td>850-1100-01-0</td>
<td>Subito Receiver Card-Eos 1100</td>
<td>Six 1200 Interface parallel interface receiver card</td>
</tr>
<tr>
<td>850-3000-01-0</td>
<td>Subito Receiver Card-Leo 3000</td>
<td>Four 26-core bivewide needle output, front welding/GeO-VStar, MIR210/ MRV410</td>
</tr>
</tbody>
</table>
## Flightcases

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-0001-01-0</td>
<td>1RU</td>
<td>1U 19in Rack Sleeve 490mm</td>
</tr>
<tr>
<td>900-0002-01-0</td>
<td>2RU</td>
<td>2U 19in Rack Sleeve 490mm</td>
</tr>
<tr>
<td>900-0008-01-0</td>
<td>8RU</td>
<td>8U 19in Rack Sleeve</td>
</tr>
<tr>
<td>900-0012-01-0</td>
<td>12RU</td>
<td>12U 19in Rack Sleeve</td>
</tr>
<tr>
<td>900-1001-01-0</td>
<td>168RU1</td>
<td>1U for 2 units VSP168</td>
</tr>
<tr>
<td>900-1002-01-0</td>
<td>168RU2</td>
<td>2U for 4 units VSP168</td>
</tr>
<tr>
<td>911-0100-01-0</td>
<td>Cable Reel</td>
<td>for Fiber Optical Cable length max 150 meters</td>
</tr>
<tr>
<td>911-0150-01-0</td>
<td>Cable Reel</td>
<td>for Fiber Optical Cable length max 250 meters</td>
</tr>
<tr>
<td>911-0250-01-0</td>
<td>Cable Reel</td>
<td>for Fiber Optical Cable length max 400 meters</td>
</tr>
</tbody>
</table>

## Cables

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>921-0002-01-0</td>
<td>DVI-DVI Cable</td>
<td>with protection caps, 3840 x 2160@30, 2 meters</td>
</tr>
<tr>
<td>921-0003-01-0</td>
<td>DVI-DVI Cable</td>
<td>with protection caps, 3840 x 2160@30, 3 meters</td>
</tr>
<tr>
<td>921-0005-01-0</td>
<td>DVI-DVI Cable</td>
<td>with protection caps, 3840 x 2160@30, 5 meters</td>
</tr>
<tr>
<td>921-0010-01-0</td>
<td>DVI-DVI Cable</td>
<td>with protection caps, 3840 x 2160@60, 10 meters</td>
</tr>
<tr>
<td>921-0015-01-0</td>
<td>DVI-DVI Cable</td>
<td>with protection caps, 3840 x 2160@60, 15 meters</td>
</tr>
<tr>
<td>922-0002-01-0</td>
<td>DVI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@30, 2 meters</td>
</tr>
<tr>
<td>922-0003-01-0</td>
<td>DVI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@30, 3 meters</td>
</tr>
<tr>
<td>922-0005-01-0</td>
<td>DVI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@30, 5 meters</td>
</tr>
<tr>
<td>922-0010-01-0</td>
<td>DVI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@30, 10 meters</td>
</tr>
<tr>
<td>922-0015-01-0</td>
<td>DVI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@30, 15 meters</td>
</tr>
<tr>
<td>923-0002-01-0</td>
<td>HDMI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@60, 2 meters</td>
</tr>
<tr>
<td>923-0003-01-0</td>
<td>HDMI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@60, 3 meters</td>
</tr>
<tr>
<td>923-0005-01-0</td>
<td>HDMI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@60, 5 meters</td>
</tr>
<tr>
<td>923-0010-01-0</td>
<td>HDMI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@60, 10 meters</td>
</tr>
<tr>
<td>923-0015-01-0</td>
<td>HDMI-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@60, 15 meters</td>
</tr>
<tr>
<td>924-0002-01-0</td>
<td>DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 2 meters</td>
</tr>
<tr>
<td>924-0003-01-0</td>
<td>DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 3 meters</td>
</tr>
<tr>
<td>924-0005-01-0</td>
<td>DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 5 meters</td>
</tr>
<tr>
<td>925-0002-01-0</td>
<td>DP-DVI Cable</td>
<td>with protection caps, 3840 x 2160@30, 2 meters</td>
</tr>
<tr>
<td>925-0005-01-0</td>
<td>DP-DVI Cable</td>
<td>with protection caps, 3840 x 2160@30, 5 meters</td>
</tr>
<tr>
<td>926-0002-01-0</td>
<td>Mini DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 2 meters</td>
</tr>
<tr>
<td>926-0003-01-0</td>
<td>Mini DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 3 meters</td>
</tr>
<tr>
<td>926-0005-01-0</td>
<td>Mini DP-DP Cable</td>
<td>with protection caps, 3840 x 2160@60, 5 meters</td>
</tr>
<tr>
<td>927-0002-01-0</td>
<td>Mini DP-DVI Cable</td>
<td>with protection caps, 3840 x 2160@60, 2 meters</td>
</tr>
<tr>
<td>927-0003-01-0</td>
<td>Mini DP-DVI Cable</td>
<td>with protection caps, 3840 x 2160@60, 3 meters</td>
</tr>
<tr>
<td>927-0005-01-0</td>
<td>Mini DP-DVI Cable</td>
<td>with protection caps, 3840 x 2160@60, 5 meters</td>
</tr>
<tr>
<td>928-0002-01-0</td>
<td>Mini DP-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@40, 2 meters</td>
</tr>
<tr>
<td>928-0003-01-0</td>
<td>Mini DP-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@40, 3 meters</td>
</tr>
<tr>
<td>928-0005-01-0</td>
<td>Mini DP-HDMI Cable</td>
<td>with locking HDMI and protection caps, 3840 x 2160@40, 5 meters</td>
</tr>
<tr>
<td>931-0100-01-0</td>
<td>Fiber - Single Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 100 meters</td>
</tr>
<tr>
<td>931-0150-01-0</td>
<td>Fiber - Single Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 150 meters</td>
</tr>
<tr>
<td>932-0200-01-0</td>
<td>Fiber - Multi Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 200 meters</td>
</tr>
<tr>
<td>932-0250-01-0</td>
<td>Fiber - Multi Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 250 meters</td>
</tr>
<tr>
<td>933-0300-01-0</td>
<td>Fiber - Single Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 300 meters</td>
</tr>
<tr>
<td>934-0200-01-0</td>
<td>Fiber - Multi Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 200 meters</td>
</tr>
<tr>
<td>934-0250-01-0</td>
<td>Fiber - Multi Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 250 meters</td>
</tr>
<tr>
<td>935-0300-01-0</td>
<td>Fiber - Multi Mode</td>
<td>with protection caps, 2 cores inside, LC to LC connector, 300 meters</td>
</tr>
<tr>
<td>935-0300-01-1</td>
<td>Fiber - Single Mode</td>
<td>with armour protection caps, 4 cores inside, LC to LC connector, 300 meters</td>
</tr>
</tbody>
</table>

## MSP Series Distributors

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>620-0016-01-0</td>
<td>MSP216</td>
<td>1 DVI in/1 DVI Out Distributor</td>
</tr>
<tr>
<td>620-0016-02-0</td>
<td>MSP216H</td>
<td>1 HDMI in/1 HDMI Out Distributor</td>
</tr>
<tr>
<td>620-0219-04-0</td>
<td>MSP319</td>
<td>1 SDI in/2 SDI Out Distributor</td>
</tr>
<tr>
<td>621-0219-04-0</td>
<td>MSP319-4</td>
<td>1 SDI in/4 SDI Out Distributor</td>
</tr>
<tr>
<td>920-0005-01-0</td>
<td>MSP Garages with PSU</td>
<td>Rack frame for MSP products with integrated power management</td>
</tr>
<tr>
<td>821-0316-02-0</td>
<td>MSP316D</td>
<td>1 HDMI 2.0 in/2 HDMI 2.0 Out Splitter or 2 HDMI 2.0 in/1 HDMI 2.0 Out</td>
</tr>
</tbody>
</table>
video processing for any scale

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