

- ***2023 CATALOGUE***



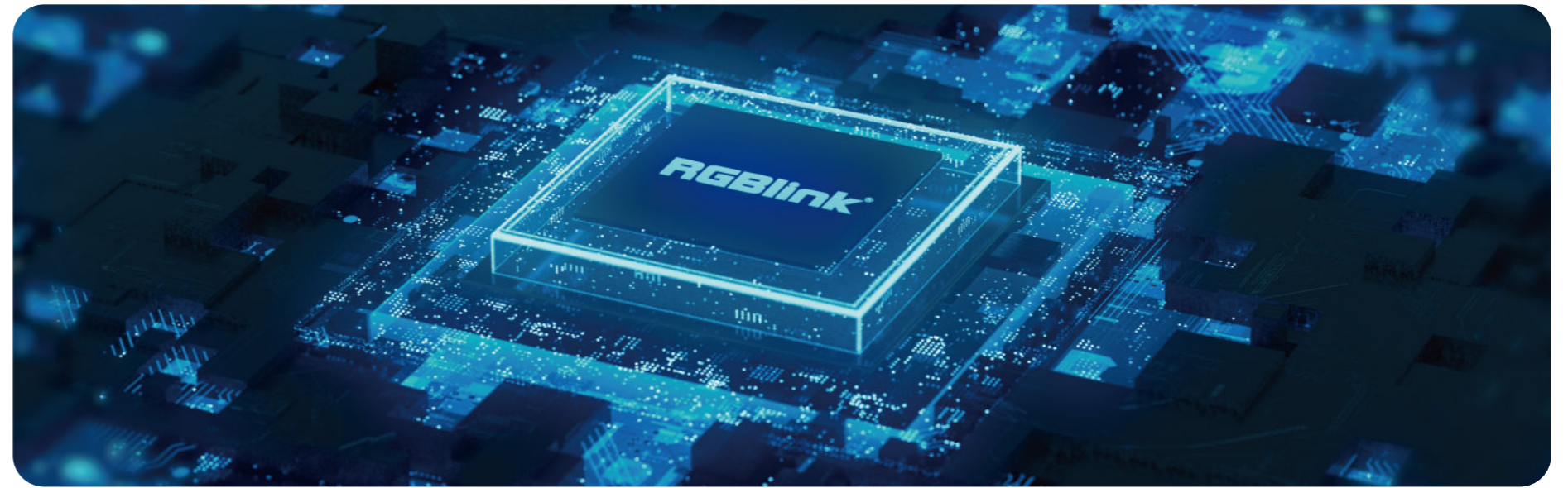
WHY RGBLINK

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.

MARKETS

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



DPRODUCT MATRIX

#Live Streaming

- PTZ camera
- mini live streaming switcher
- streaming codec
- cloud
- wireless collaborative transmission + TAO APP

#Pro AV

- Media server
- hybrid matrix switcher
- desktop switcher
- format converter
- video wall splicer
- LED display control system + XPOSE

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®

HDCP

NDI®

Dante AV™

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STREAMING





VUE

vue PTZ camera

Add whole new dimensions to capturing video presentations with RGBlink vue PTZ cameras.

Featuring advanced an ISP image processor and a 2 mega pixel sensor, vue cameras are available in a range models across 12X, 20X & 30X optical zoom and a range of output options from HDMI & SDI to H.264, H.265 & NDI.

Pan, Tilt, Zoom to capture all the action – get in even closer with 10X digital zoom, and the best video with auto focus, dynamic level adjustment (WDR) and 2D/3D Dynamic Noise Reduction (DNR) all at up to 60fps.

All vue models feature the unique TALLY crown light indicator, integrated right into the housing for 360-degree viewing.

The innovative and patented RGBlink vue camera design is at home in every environment.

Go pro with PTZ



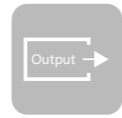
12X/20X/30X



Multi-protocol



Precision Movement



Digital & IP Video



Full HD



NDI

Select vue models include NDI HX protocol and capabilities, allowing vue cameras to be integrated directly into professional and broadcast workflows including to applications such as Premier Pro, Zoom and more.



Zoom In

Choose from across three models of optical zoom – 12X, 20X or 30X, behind which the 2 mega pixel Panasonic sensor and ISP processor offering a further 10X digital zoom to get even closer.



TALLY Crown

Selected view models include the RGBlink vue TALLY Crown indicator light showing clearly stand-by and on-air status of the camera.

Multi-Protocol Support

Output to HDMI, #G-SDI, RTMP and RTSP, and optionally NDI and USB/UVC for maximum connectivity, in support of virtually any application requirement.

Set Presets

Set up to 255 presets of positions to be stored on a camera and available for instance recall.

Precise Position Control

High precision micro stepper motor controls to within 0.1 degrees. Reposition the camera and zoom to any position in under 1s, smoothly, accurately and super quietly. Advanced algorithms optimise imaging at every movement for precise blur-free performance.



Remote Control

Connect to vue cameras with industry standard protocols including VISCA and ONVIF.

Power of Convenience

Power vue cameras from supplied PSU or via the ethernet port for selected models connected on PoE enabled networks.

Audio In

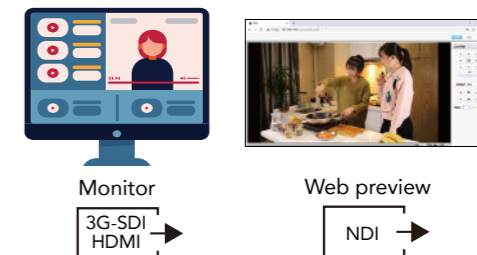
All vue models include 3.5mm mini-jack input, allowing Line level inputs to be inserted to all outgoing video signals including embedded on HDMI, SDI, NDI and other IP codecs.

PTZ Park

Unique feature allowing for a camera to be set with lens down for protection and storage – parked for movement or transport.

Browser Config & Preview

Connect directly to a vue camera from any browser without the need to install a dedicated app. The web interface allows full configuration of the camera as well as preview of video, operations and control.



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NDI PTZ Camera



RGB12X-PNDI-TLY



RGB20X-PNDI-TLY



RGB30X-PNDI-TLY

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)

PoE PTZ Camera



RGB12X-POE-TLY



RGB20X-POE-TLY



RGB30X-POE-TLY

Key Features

- High speed optical zoom
- TALLY Crown
- High performance in low light scenarios with Wide Dynamic Range
- Full 1920×1080p 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
- Low-power Sleep Function
- Support PoE(IEEE 802.3af 48V)

USB PTZ Camera



RGB10X-USB-BK USB PTZ Camera with 10X Optical Zoom



RGB20X-USB-WH USB 3.0 PTZ Camera with 20X Optical Zoom

Key Features

- Auto-focus technology
- Low noise and high SNR
- Up to 255 presets
- Pan and tilt control
- Wide application
- Low-power sleep function

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Ultra HD PTZ Camera 4K



RGB12X-UPAI-WH



RGB12X-UNAI-WH



RGB12X-UNAI-WH



RGB25X-UNAI-WH

Ultra HD NDI Camera 4K

Key Features

- 4K Ultra HD Image, with resolution up to 4K@60fps
- 12x optical zoom lens, with 80.4° FOV without distortion/
20x optical zoom lens, with 59.2° 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
- Multiple Control port and control protocol
- Multiple Network Protocol include RTMP,RTP,NDI,VISCA

PTZ AI Tracking Camera



RGB12X-HAI-WH/RGB20X-HAI-WH



RGB20X-NAI-GY



RGB20X-PAI-GY

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

PTZ Camera Controller



RGB12X-UNDI-WH 4K NDI Camera

Key Features

- Multiple control and network protocol
- Control code modified by customers
- Camera parameter s adjustment via keys
- Support PoE
- LCD screen on front panel with key tone
- Camera speed control via joystick
- Multiple control connectors ,up to 255 cameras

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streaming switcher

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 presetting 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.

mini-pro next level streaming switcher



Toggle

Zoom cameras, adjust volume, move between presets, control right on the surface where and when you need it



Shortcuts

Access views and audio at the touch of a button

Touch Screen LCD

Display video sources right in front of you. Not only see the settings and features, interact naturally with context aware touch controls. mini-pro offers a host of feature enhancements.



Professional Controls

Integral T-bar provides familiar vision mixing style controls ideal for live events.



Precision Joystick

Control cameras as well as navigation better than ever with tactile and familiar console control.



Record Anywhere

Connect a USB drive to record, directly to SSD for later editing.

Stream

Connect to a laptop to stream to virtually any platform or capture in popular media apps.

Insert & Extract Audio

Input Line or Mic level audio selectable to output. With support for audio delay. Output mixed audio from one or multiple inputs embedded and to the dedicated mini-jack.

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Stream

SuperSpeed USB3.0 streaming to take video to the world. Simply connect mini-pro to a laptop or other device to stream quickly and easily to hundreds of social media and streaming platforms as well as a vast array of popular collaboration applications.

Go Live

Display local and live with the 2K HDMI output port – use for a preview or the live program output. mini-pro is more than a streaming switcher, mini-pro is also a live event switcher

Record

Capture the moment, record video and audio directly from mini-pro with any portable drive up to 2TB, nothing else needed.

Control












Bring it all together with on board control for PTZ cameras directly within mini-pro. Save attribute views of cameras for recall at the touch of a button.

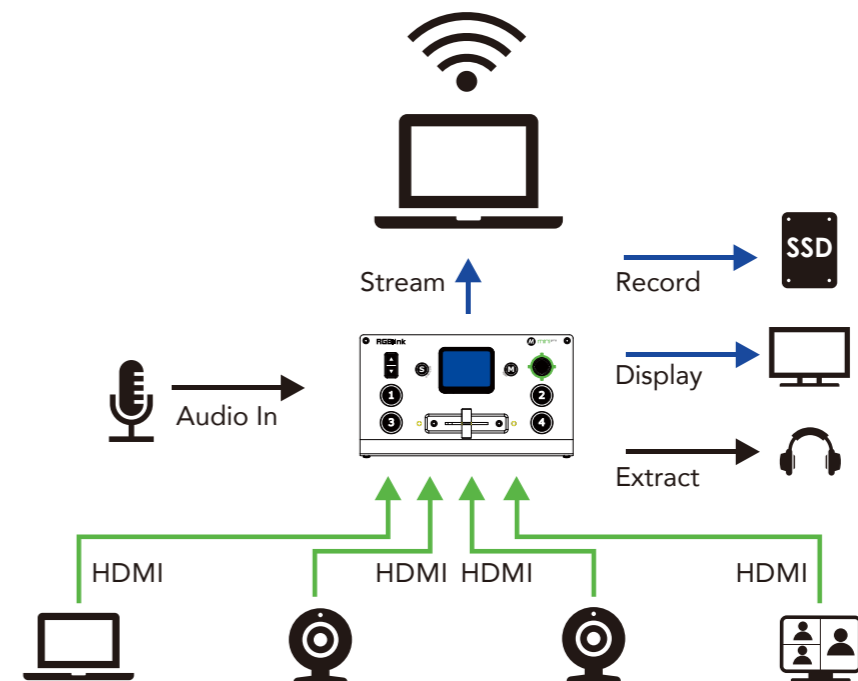
Preview

See all sources live immediately in the integral LCD display. Connect video output and display a multi-view preview to always see the next preset before going live.

Mix

Transition and switch between live video program and preset. Recall saved preset views along with scaled video layers for the professional look a of prepared broadcast or presentation.

-  **COMPACT** mini switcher, easy to carry
-  **STREAM** driver free connect mini-pro easily to any platform
-  **4K** resolution support across four HDMI inputs
-  **SCALE** true dual layer video scalable pixel-to-pixel
-  **MIX** transition between video sources & presets with effect
-  **PREVIEW** six window preview selectable to any output
-  **TOUCH** modern intuitive controls
-  **APPS** remote control from mobiles, tablets and computers
-  **FOLLOW** pan, tilt, zoom, focus cameras from the switcher
-  **KEY** add transparency to a video to layer over a background
-  **LISTEN** embed and extract multi channel audio mix



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Streaming from Anywhere to Everywhere

TAO APP is a live broadcast software independently developed by RGBlink. It has a series of functions such as live broadcast and interaction, list, community, flexible payment, membership system, and offline translation supporting multiple languages and dialects around the world. It helps content creators to live with cost-effective accounts. In addition, you can push live streaming through the TAO platform itself, push 30+domestic and overseas live platforms, gain more public domain traffic, easily realize your live demand, and use the TAO APP to achieve more functions.

Private Domain Traffic

Branded Live Room

Offline Translation

Live + Switcher

30+ platforms

Adaptive devices

Community

Membership system

Live interaction



TAO APP is a live broadcast software independently developed by RGBlink. It has a series of functions such as live broadcast and interaction, list, community, flexible payment, membership system, and offline translation supporting multiple languages and dialects around the world. It helps content creators to live with cost-effective accounts. In addition, you can push live streaming through the TAO platform itself, push 30+ domestic and overseas live platforms, gain more public domain traffic, easily realize your live demand, and use the TAO APP to achieve more functions.



More than a mobile phone | Tablet live stream

- Support TAO live broadcast
- Support third-party live streaming
- Support OTG live streaming: empowering your smart devices

Support 30+ platforms streaming at the same time

Not only can TAO stream on itself, but also stream to up to 30+ other platforms simultaneously, covering most of the live broadcast platforms, gaining more public domain traffic.

Smart mobile device + smart hardware live broadcast

- Camera and audio capture interface expansion
- One-click microphone switch, making offline communication more private
- Smooth fast recording to local/ cloud at 60M/s, without dropping frames
- Easy adjustments for focusing, positioning, switching, etc.
- Take full control of the live room
- Built-in beauty cam, easy and simple adjustment, perform miracles on your face

Offline Translation

AI translation/ Manual proofreading/ AI dubbing/ Manual voice over/ It supports multiple languages and dialects around the world, matching multiple industries, can translate with an accuracy of 99%.

Live streaming system and distribution service

Distributed private cloud deployment: The system uses a private cloud system, including video, distribution, upload, website, and storage servers. Support streaming of RTMP/ RTSP/RTMPS protocol, support simultaneous streaming of 32 live platforms; Support switcher and Android mobile phone streaming through OTG; Users can communicate while watching the live, the audio and video are fully synchronized.

Smart hardware 1+1>2

Streaming configuration: Realize "two-end sharing" and multi-platform streaming, viewing and sharing through TAO cloud service
TAO 1mini control: universal NDI codec, a must-have for small businesses, high image quality, low latency
Support scene switching of all video splicers: relax and take control

More

- Live interaction, support live playback, and enable secondary creation of live broadcast
- Notification, set a reminder 15 minutes before the live starts
- What's trending, daily update of what's trending trending, help every creator to keep up
- Identity medals, the point system presents identity differentiation and importance with medals
- Tutorial, step-by-step operation for quick start
- Flexible payment, support WeChat, Alipay, PayPal payment
- Scan the QR code to download, and scan to enter the live room
- Share to WeChat Moments, Facebook and other APPS directly through TAO APP

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4K NDI Bi-Directional Codec

TAO 1mini is the latest signal node to a new level for advanced use cases, not only for encoder, but also decoder. It expands the connectivity in a single unit including HDMI 2.0 and UVC IN & OUT, but also ethernet I/O. With HDMI 2.0 and UVC inputs for a 4K encoding and multi-protocol streaming by ethernet outputs. Vice versa, as a 4K decoder from ethernet inputs to HDMI 2.0 and UVC output. It comes with higher streaming bitrates; file recording; and much more. This device is ideal for high-quality live streaming of content including sports, education, and live events as well as IP-based production and AV-over-IP.

- Compact in form
- NDI® codec support
- Dual ¼in mounts
- LED TALLY indicators
- low latency
- live previews & recording
- RTMP\RTMPS protocols
- Up to 4K UHD without compromise
- power via PoE
- power from USB-C PD
- Stream to at least 4 platforms via TAO APP

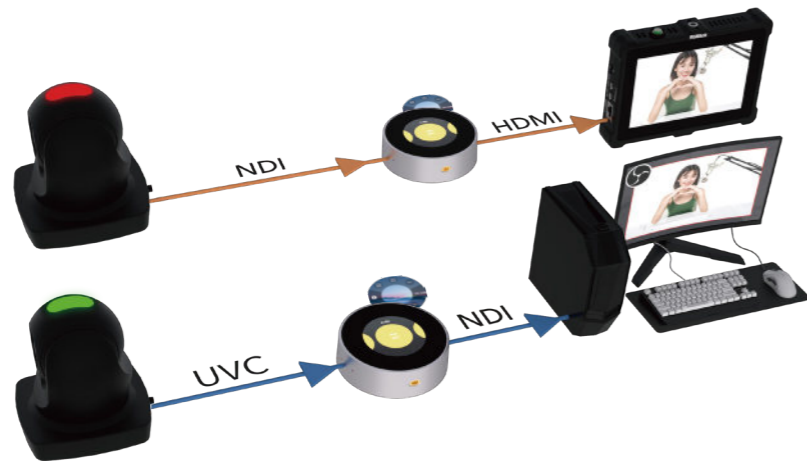
Why choose NDI?

NDI is a broadcast-quality, low-latency video streaming protocol over Gigabit networks. With low loss, low latency, more stable



NDI® & NDI|HX Codec integration

TAO 1mini-N not only supports 4K Full NDI but also NDI|HX, it is an all-in-one codec machine



Professional IP production equipment

Both encoding and decoding support up to 4K (UHD) video resolution, and are backward compatible with resolutions such as HD/SD. Adopt MJPEG\YUV, H.264 to ensure high quality video transmission



Multi-platform live streaming

TAO 1mini-N can not only convert 4K HDMI\UVC signals into NDI\RTMP\SRT, but also a network push streaming device that can realize simultaneous live broadcast of 4 platforms.



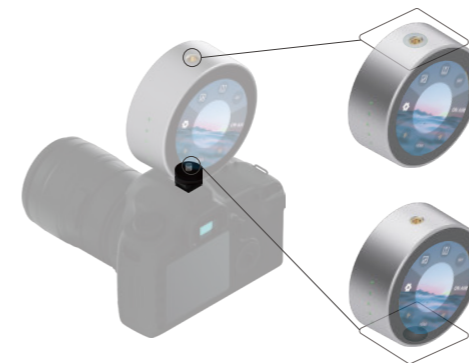
Power via PoE Ethernet

At the same time, it supports Power over Ethernet (PoE), PD input, and can use a mobile power supply to power the device. Only one network cable can realize power supply and network transmission.



Easy to install

TAO 1mini-N has double-rack screw holes, allowing you to enjoy a variety of installation experiences according to different scenarios.



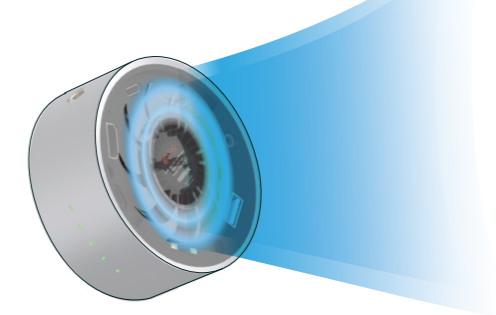
One-click recording

The USB3.0 interface supports up to 64G U disk or 2T SSD solid state drive, and realizes high-quality audio and video recording function with one key.



Portable and stable

Exquisite and portable, it has a built-in ultra-thin large-diameter cooling fan to help cool the device.



Monitor and touch

The 2.1-inch full-color touch monitoring screen can not only monitor the signal in real time, but also control it quickly.



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TAO 1pro

Talent Anchor Online



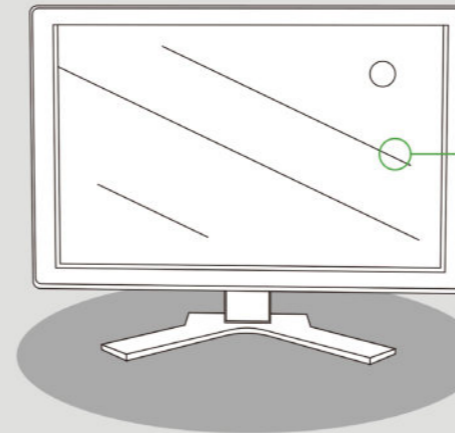
TAO 1pro is a Broadcasting streaming decoder with a 5.5 inch FHD preview display, but also a 4 channels seamless video switcher for 2 USB 3.0 and 2 HDMI 1.3 inputs, and supports streaming directly by ethernet output which is ready to connect to external cloud based router and streaming from Anywhere 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.

TAO 1 pro

Talent Anchor Online



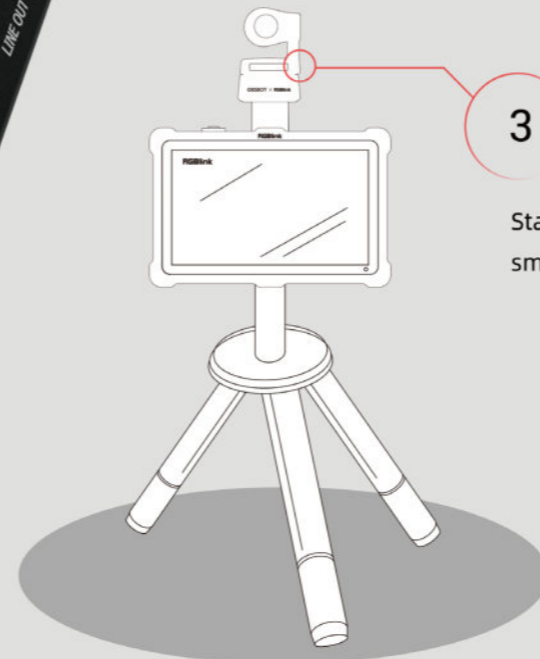
1

Multiple USB and HDMI sources supported, local preview and extended preview available



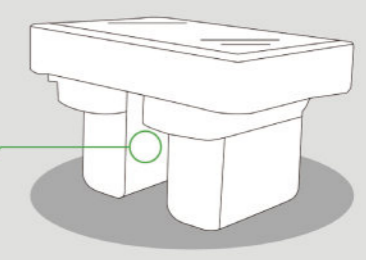
2

HD touch-screen operation easy image/color adjustment



3











Standard USB2.0/3.0, HDMI1.3 devices such as cameras, smart phone, tablet supported, stream anytime you like



4

Dual batteries for backup Endurance power supply

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

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Scene 1: Seamless switching between USB and HDMI inputs



Scene 2: Seamless switching between different USB inputs



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



Scene 3: Ready for Bluetooth remote control



Scene 5: Outdoor wireless streaming



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HDMI and SDI-NDI encoder

TAO 1pro-S is an HDMI and SDI-NDI encoder with a 5.5-inch HD display, and a 4-channel seamless switcher with 2 USB 3.0 inputs and 1 HDMI 1.3 and 1 SDI input. 1 Gigabit Ethernet port supports live streaming, NDI encoding and decoding anytime, anywhere.

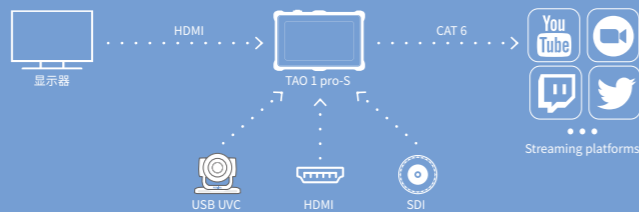


- NDI HX3** Stabilize
- H.264/H.265code** low bandwidth
- Multiple input ports** HDMI, SDI, UVC
- Input source supported** Preview
- Tally** Feedback PTZ status
- UVC controlPTZ** Remote adjustment of focus and angle

Decode



Encoding



NDI® Codec function

NDI HX3 H.264/H.265 encoding, low bandwidth, stable, high quality



Multi-input HDMI, SDI, UVC

More port options, SDI port makes the device more professional.



Multi-mode PTZ control

UVC controls PTZ, which can remotely adjust the focal length and angle of the camera, and can easily control the camera without logging in to the background management interface.



Support input source preview

Switch preview function, support preview signal source function, no need to worry about switching errors when switching videos from multiple signal sources.



Tally Light Control

Tally synchronizes with PTZ and feeds back device information.



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UVC to HDMI adapter

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.

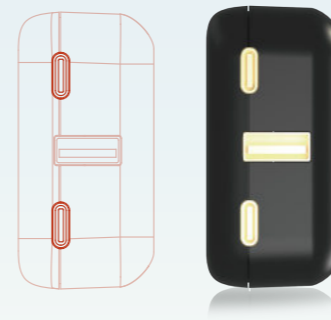
The ideal companion for USB cameras

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



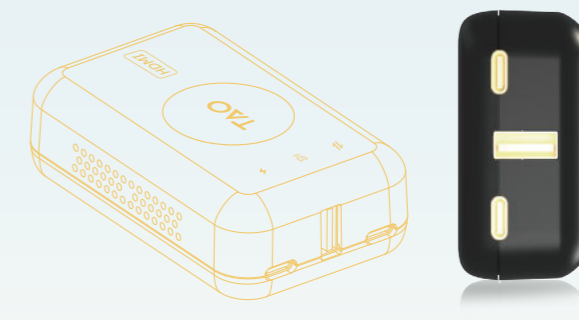
Efficient low-power by design

Power TAO 1tiny and UVC webcam conveniently with common USB-C hubs and power banks.



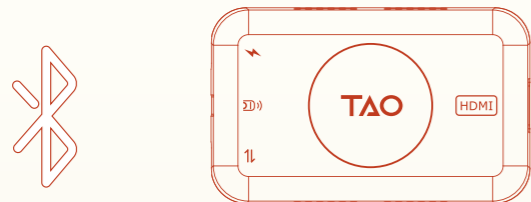
Smooth Real-Time Recording

Plug-and-play flash drive real-time recording, plug in the flash drive to start recording automatically, unplug the to end recording and save to local file. Low latency, no stuttering, save every wonderful moment in the palm of your hand.



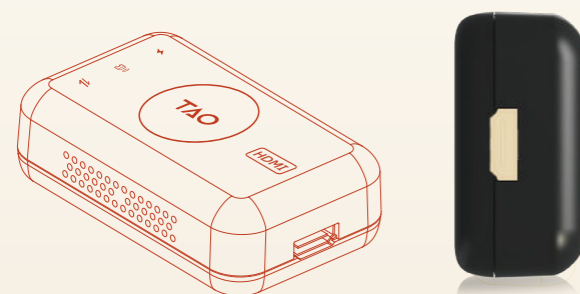
Empowering push streaming switchers

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 1tiny 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.



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

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- CLOUD/DECODER
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PRO AV

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- FLEX Series Mixed Signal Matrix
- Q Series Multi-signal Matrix

1 Series Switcher/Scalers

T Series Control Consoles

Subito Series LED Control Solutions

RMS Series Monitoring Solutions

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

Accessories

Software

Reference

Contact





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 1080P, presentations are immediate and engaging.


 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

 1920x1080@60HZ Ultra HD

 Transmitter and receiver are automatically paired

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



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.

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.



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.

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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.



Fingertip Control

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

LCD Display

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

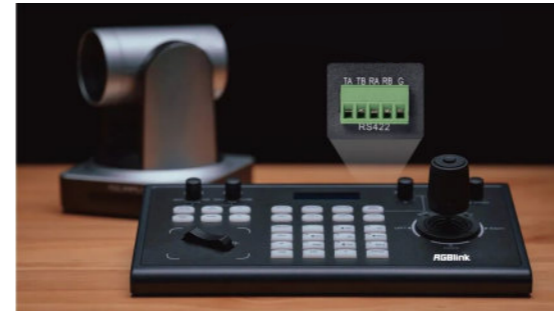


Presets

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.



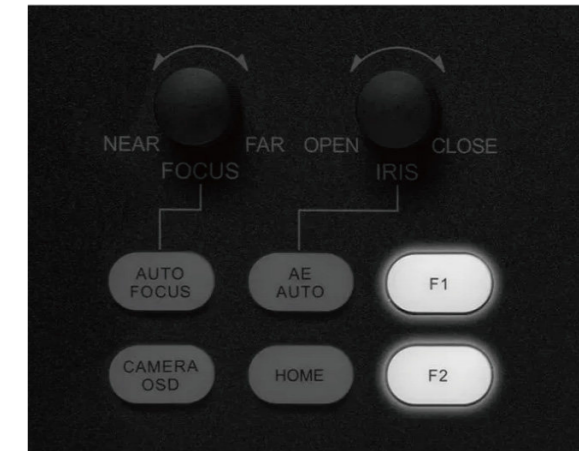
Power from the IP Network

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.



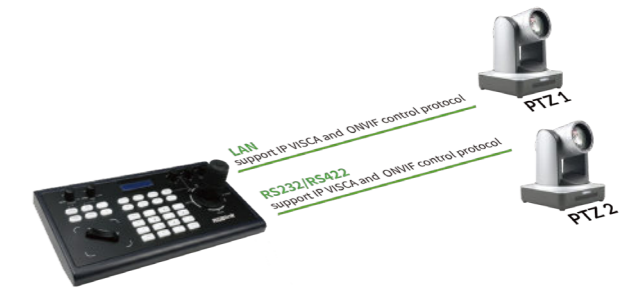
Custom Operations

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.



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PRO AV

SCALE SWITCH ROUTE





I gave up everything for you

I gave up everything for you

D Series

Presentation Processors



The first 8K-class video processor

The D series has always been regarded as the leader in presentation-level image quality processing at different display stages in the industry. D8 continues to lead the display technology to become the first 8K@60-level video processor in the industry. Create a visual experience.

The D8 input supports 1 HDMI 2.1 interface, and can be equipped with 1 8K-level DP 1.4 and TYPE-C input, which can meet the switching between different 8K input transmissions and 2 8K signals on site.

The D8 is equipped with a 4-inch LCD touch screen, which optimizes the overall front panel aesthetic design and optimizes the user experience. No connection is required. The front panel is controlled by touch, and the touch control is used to switch modes, and view the input and output status in real time.

D8 adopts a new design method, built-in 4-inch LCD touch screen, touch to view the monitoring input and output status. Through the HDMI output expansion on the real front panel and support for USB connection keyboard and mouse control, it is completely separated from the computer to achieve timely control and meet the various control needs of users.



The first 8K-class video processor

8K Support 8K@60 signal input, compatible with HDCP 2.X

Optional 1 channel 8K input DP 1.4 / USB-C input

Support all interfaces hot swap

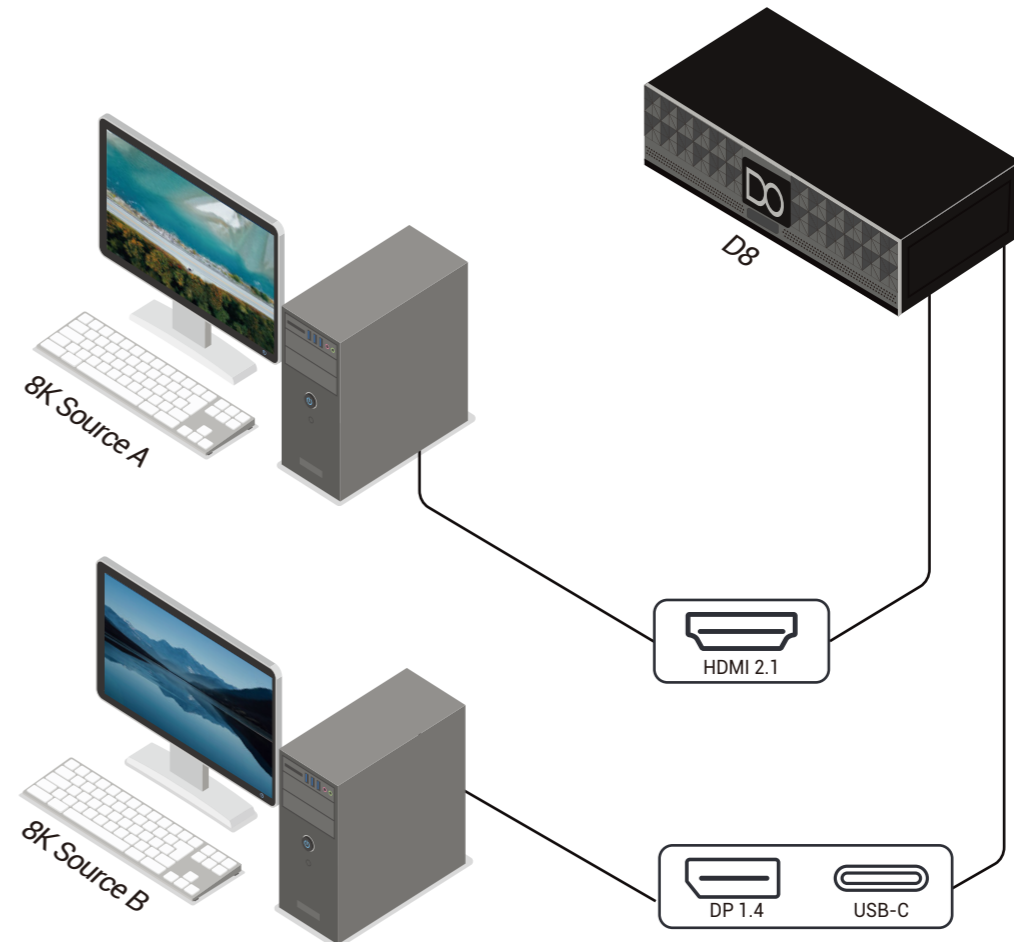
Built-in 4-inch LCD touch screen

EDID Support 8K EDID management

Support Open API

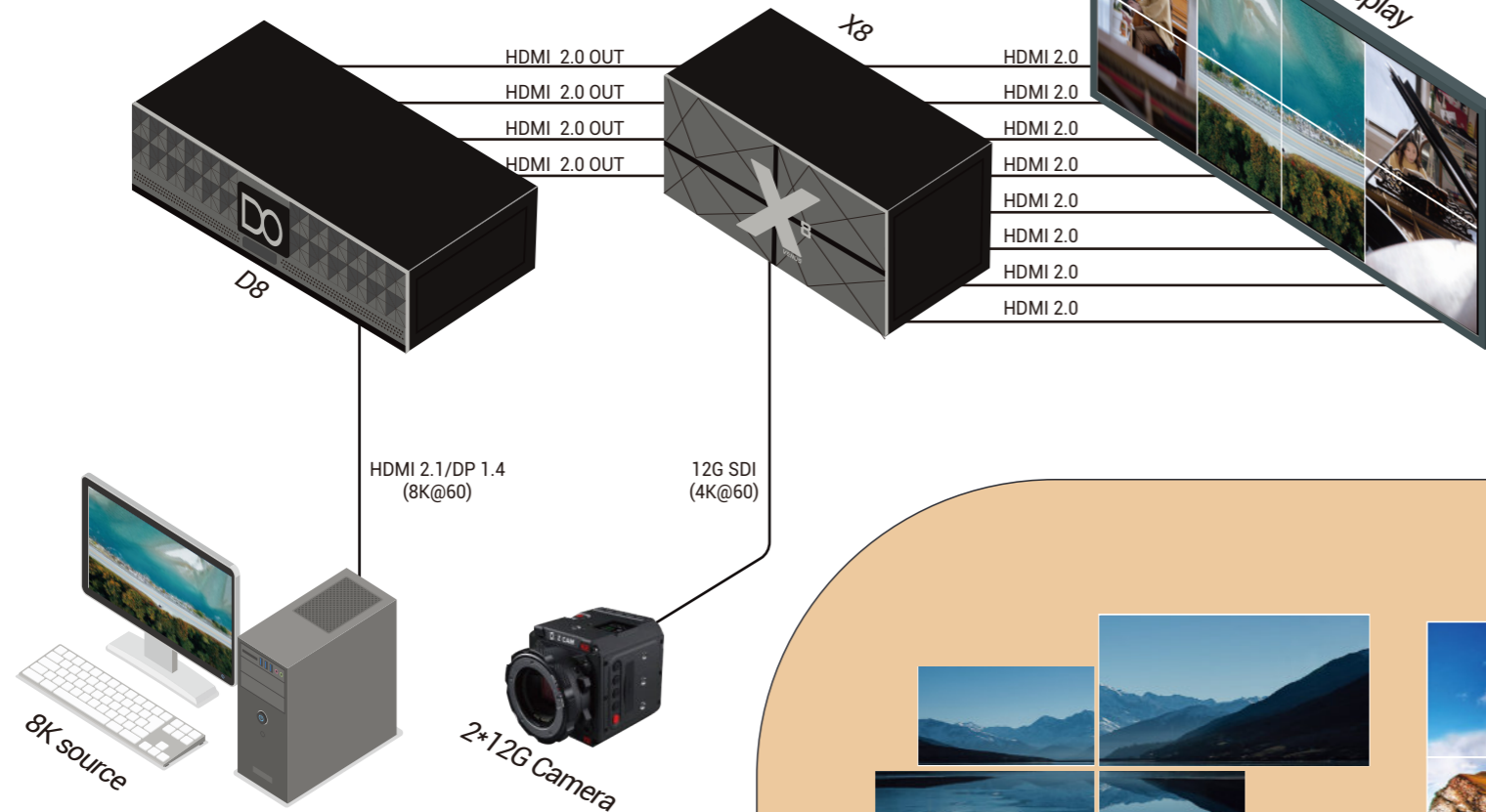
8K input

The new 8K architecture design supports HDMI 2.1, DP 1.4, and Type-C different interfaces to truly realize the input of 8K signals. By selecting any one channel of 8K input, two channels of 8K content transmission and signal switching can be realized.



8K processing

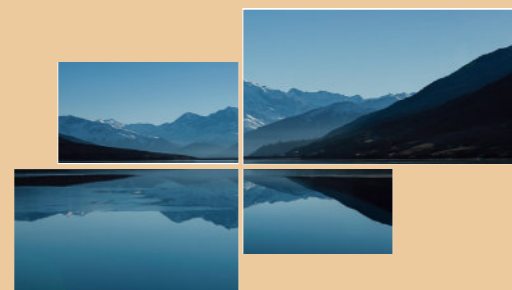
D8 supports 4-channel HDMI2.0 4K@60 output, completes 8K content display and transmission, and realizes 8K video solutions safely and reliably.



* Standard one HDMI 2.1, optional one (DP 1.4/TYPER-C), to achieve two 8K

Custom Display and Stitching

The output can be independently and arbitrarily zoomed and controlled, so that it can easily cope with the splicing of different sizes of displays and any split screen on site. It can also realize 4-way HDMI 2.0 duplication output. If the resolution of 4 displays on site is different and the same content output is displayed independently, D8 can satisfy it.



Same physical size as 4K screen



Standard 8K stitching



Unequal 8K stitching

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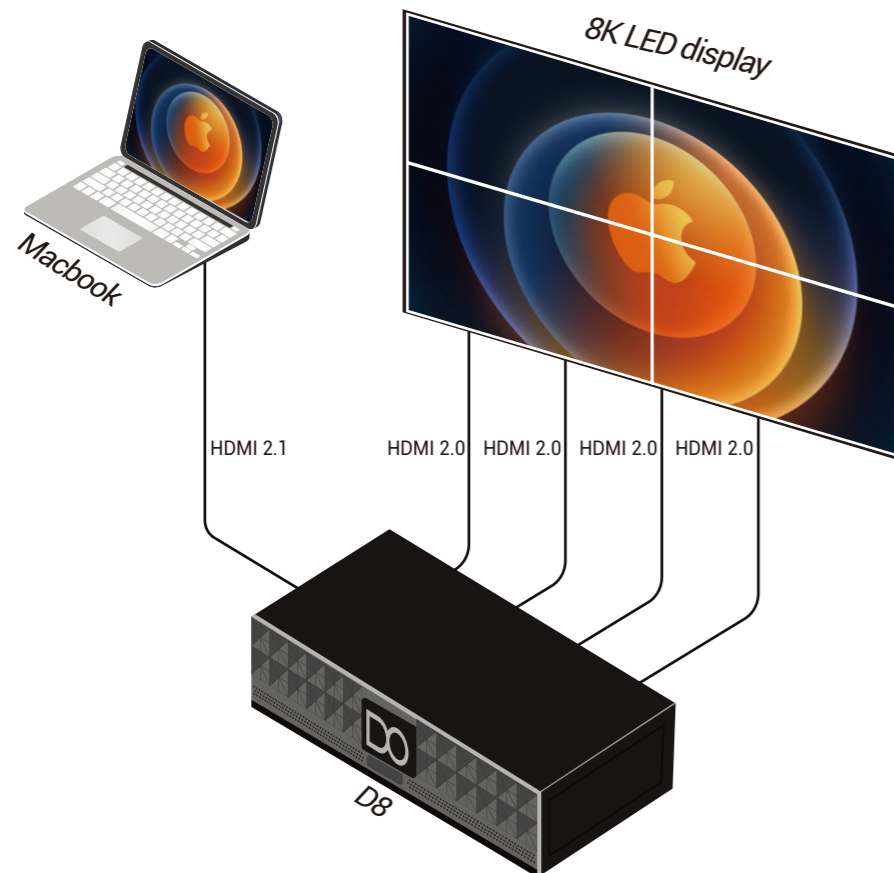
Genlock synchronization

Genlock frame synchronization is used to ensure seamless transmission of each pixel splicing, and content and large-screen display timing can be realized in multi-screen and multi-video processing solutions. No tearing of the picture, synchronous display of afterimages.



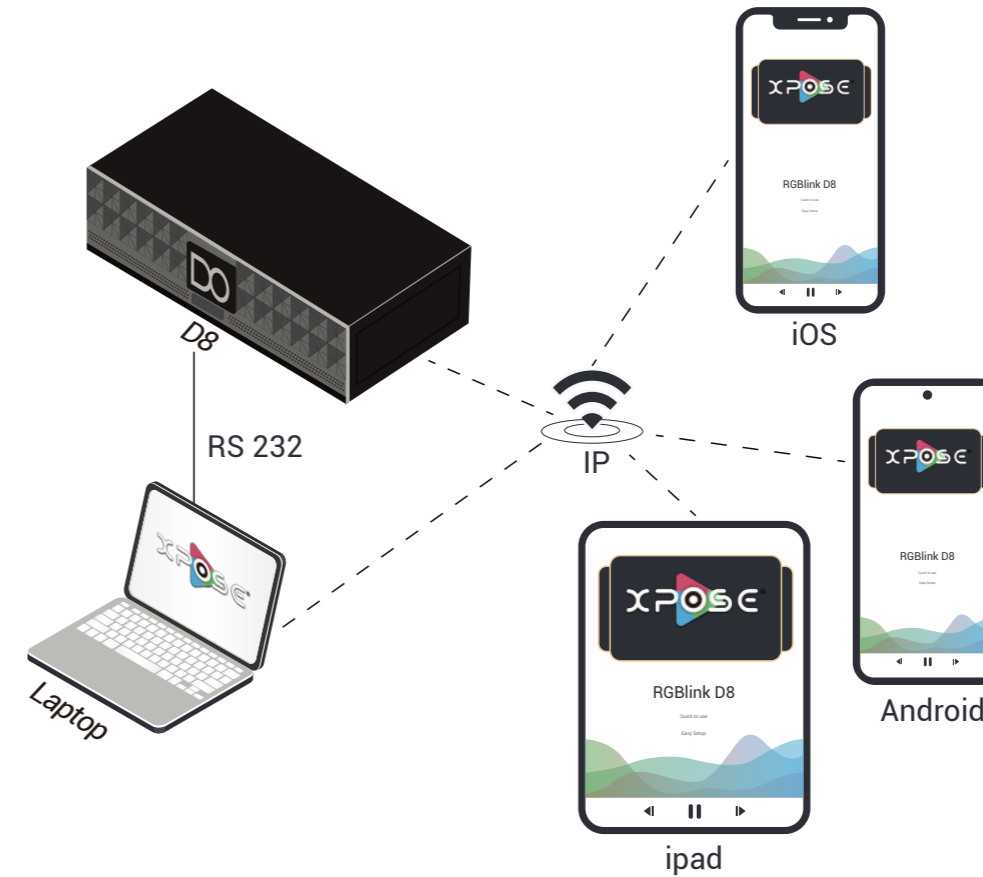
8K decoding application on MAC

It can decode the video picture on the Mac and output four 4K signals to the display terminal.



multi-platform control

D8 is mainly controlled by R&D XPOSE software, but in addition, D8 also supports Android, Apple mobile phone, tablet control, and also based on IP-controlled Webserver. In addition, D8 also provides open API files for customers to use third-party equipment, which truly meets different customer site control needs.



4 inch LCD touch screen

The built-in 4-inch LCD touch screen optimizes the overall front panel aesthetic design and optimizes the user experience. You can directly control and select switching modes through the front panel touch. The front panel can also check the input and output status in real time without using an external display screen to ensure display security.

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D4

The standard in multi-format 4K presentation switching

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.



D4

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.

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.

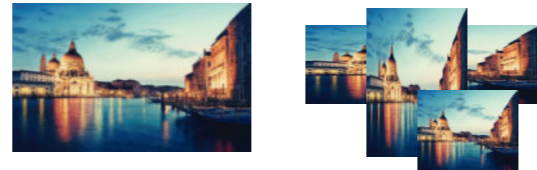


Full Colour Gamut

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

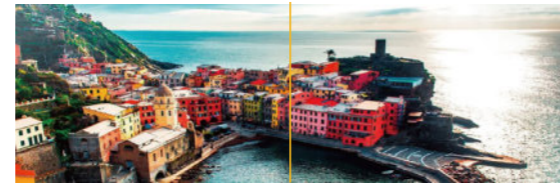
Pixel to Pixel Scaling

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.



Multi-Layer 4K Video

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

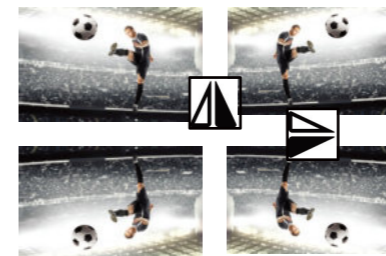


Dual 4K Output Channels

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.



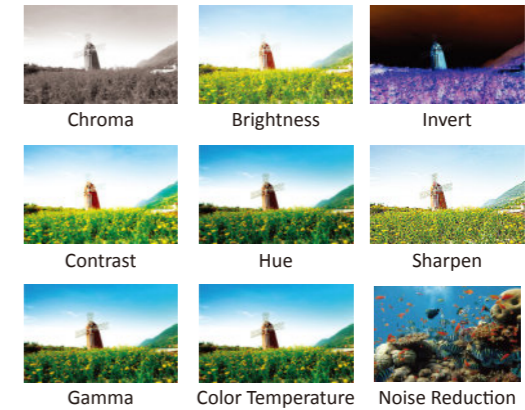
Crop & Position

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.



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.



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D2

Standard in 2K presentation switching

With unrivalled features and performance, D2 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.

D2 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 professional applications.

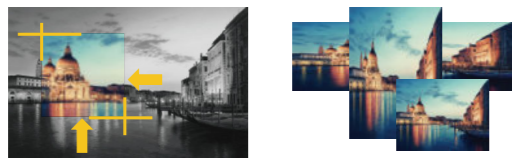
D2

Format

D2 supports all common formats up to 2560x1600 @ 60Hz. Additionally VSP628pro allows users to specify any custom output resolution within this range.

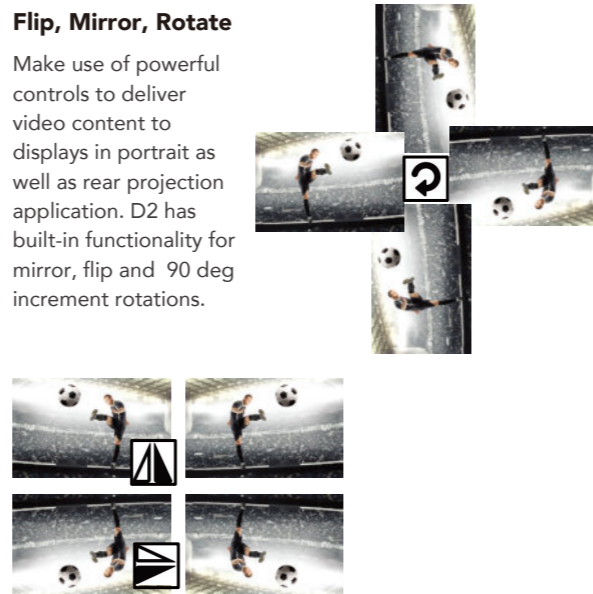
Position, Scale, Crop & Zoom

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



Flip, Mirror, Rotate

Make use of powerful controls to deliver video content to displays in portrait as well as rear projection application. D2 has built-in functionality for mirror, flip and 90 deg increment rotations.



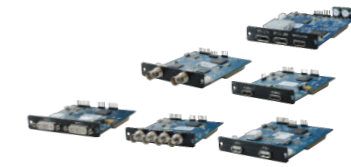
DSK/Chroma Key

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



Expand Inputs

D2 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.



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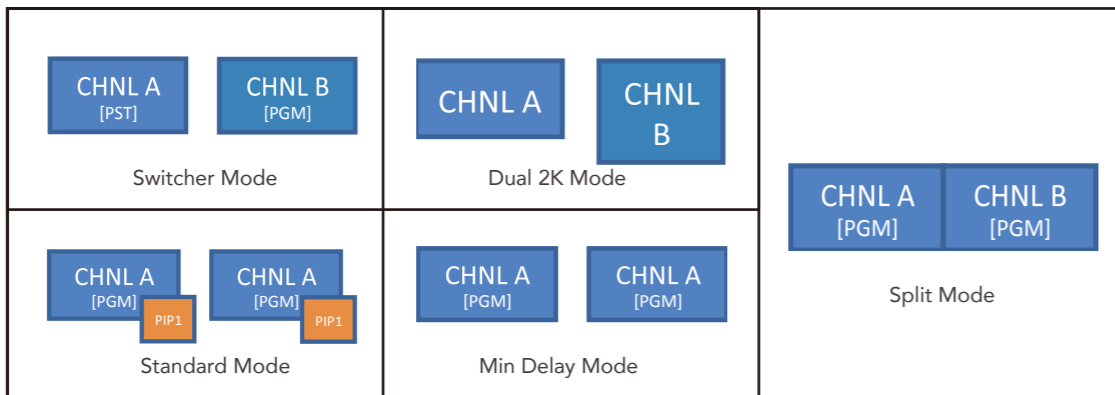
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Flexible Processor Operations

D2 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.



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.



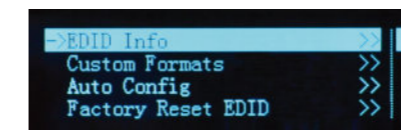
Output Expansion

The output slot supports either a standard LED Sender Card (which can then be controlled directly from on board D2) or an output option either the two channel SDI module or single channel SDI/Fiber/HDBaseT module.



EDID Management

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



Connect and Control

Remotely configure and control D2 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

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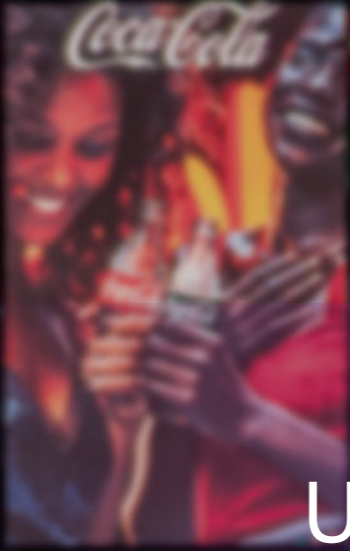




新华通讯社
CNC
A New Perspective
XINHUA
NEWS AGENCY



NOVO TEL



WICKED

X Series
Universal Processors

IONIQ



UNIVERSAL VIDEO PROCESSOR

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 has 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

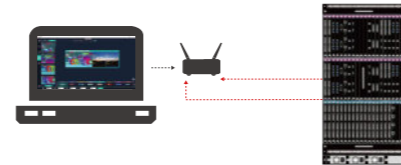
All current settings are stored in static memory for immediately resumption in the event of recovery from a power loss.

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.



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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.



Multi Role, Multi Application

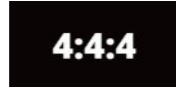
Select the operation mode suitable for the application from continuous video wall mode to presentation mode and routing modes. There is also processing capabilities for 3D and mixed device application.

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

4K / UHD Support

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



Video Over IP

X14 includes options for video over ethernet standards 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.

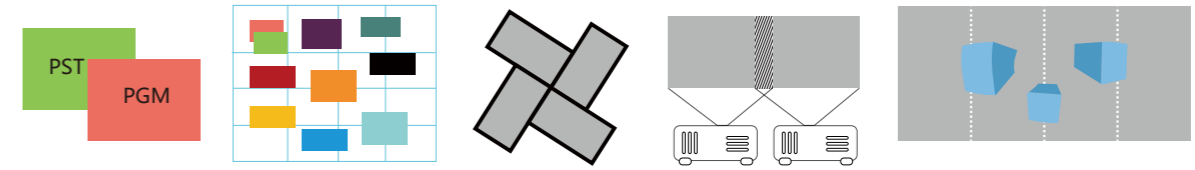


Connect & Control

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

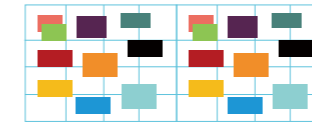
Video Display as a System

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.



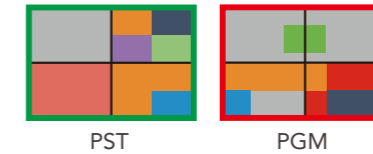
Stich & Splice Video Walls

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



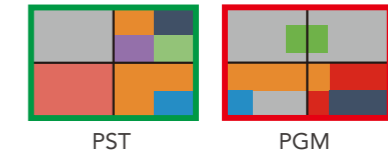
Presentations with Confidence

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



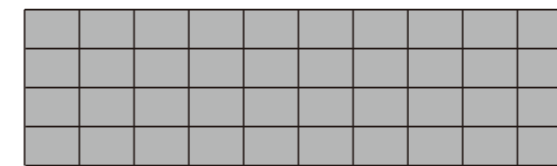
Deliver in 3D

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



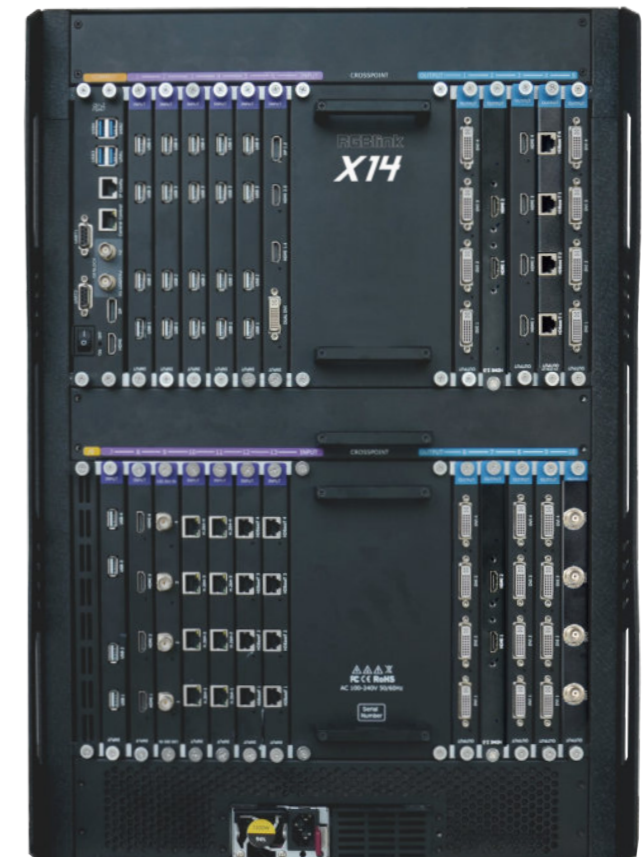
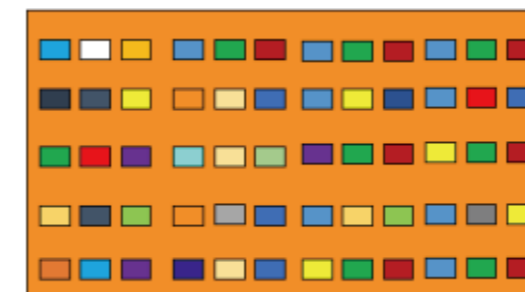
160 Mega Pixel Display Area

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.



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Redefining 8K Video Processing

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.



· **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.

· **8K Source Management**

Splice 4K inputs and outputs for 8K operations fully in sync 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.

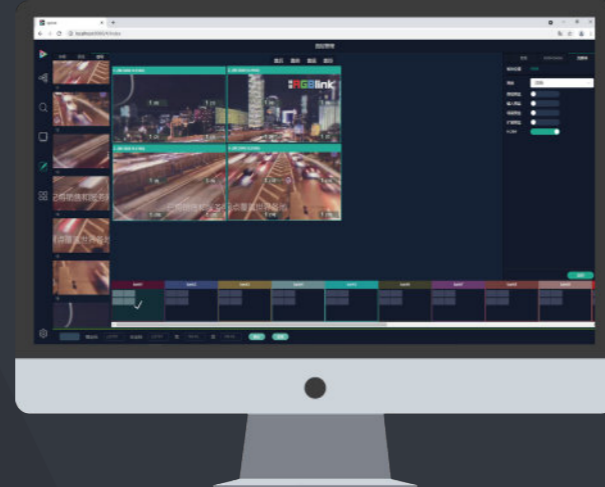
· **Full Color Space**

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

● **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.



· **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.

· **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.

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· 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

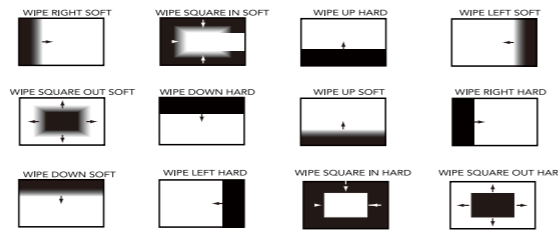
The dedicated HDMI is configurable for up to 64 windows for the ultimate in local monitoring capability.

· 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.

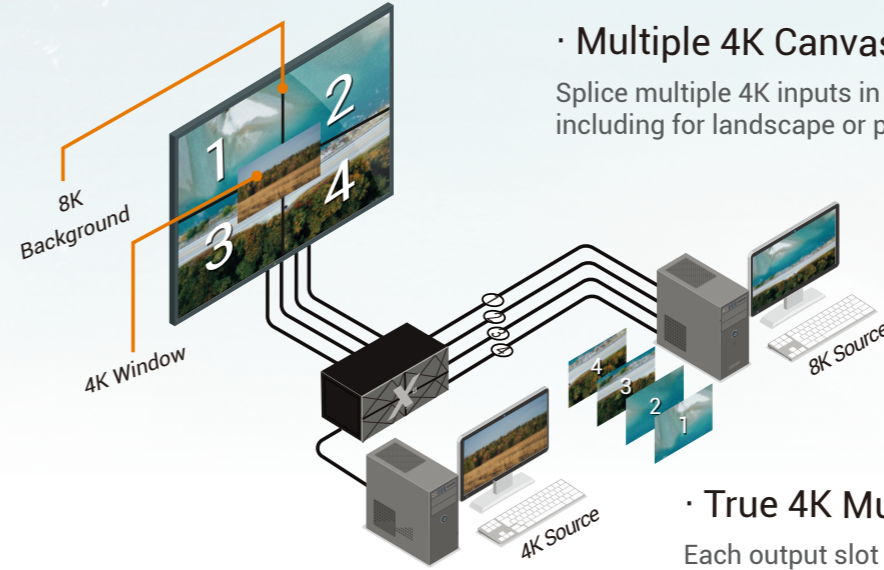
Quality without Compromise

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.



RGBlink X8



· 8K Workflow Support

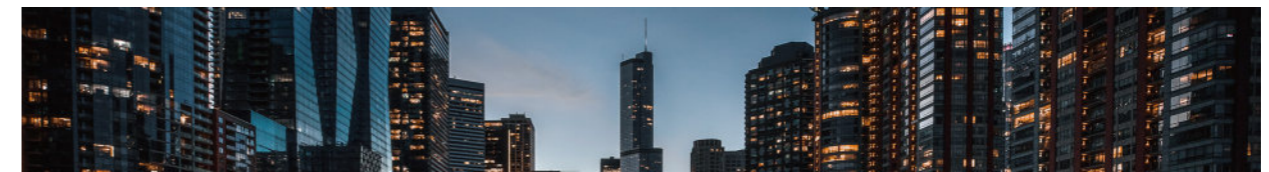
Manage multiple 8K sources and output displays combining with other content as needed.

· Multiple 4K Canvas

Splice multiple 4K inputs in any configuration including for landscape or panoramic arrangements.

· 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.



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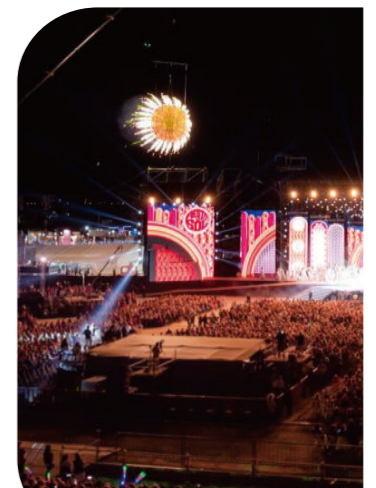
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Flexible Canvas Assignment

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.



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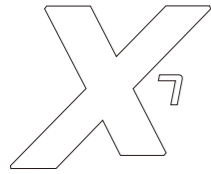


X₇

Large scale video wall processing

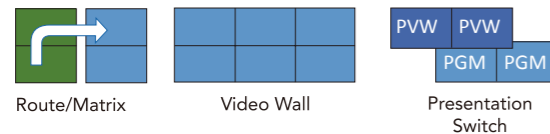
Bring together entire video display systems with X7. With up to 32 outputs and a 64 mega pixel capacity, X7 is equally at home delivering fully synchronised video to large video walls or multiple video walls and creative displays of all types.

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



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.

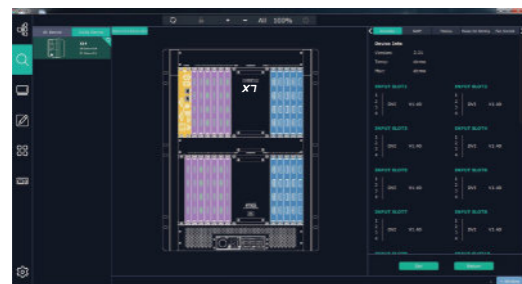
LOGO/Frame Capture

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.



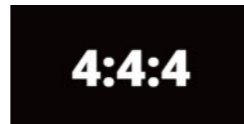
UHD 4K 60Hz Signal Support

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



Full Color Space

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



H.264 video stream

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



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

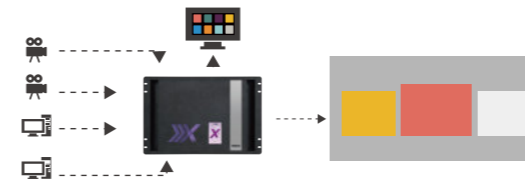
X7 includes both Genlock and HDMI Digital Reference inputs, allowing a variety of synchronisation scenarios.

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.

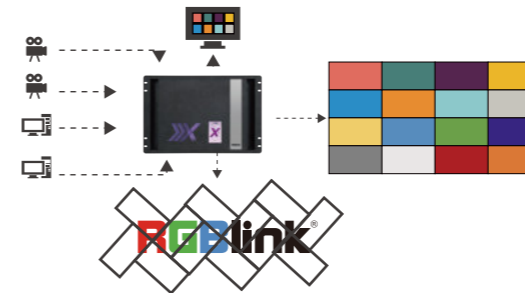
Presentation Switching

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



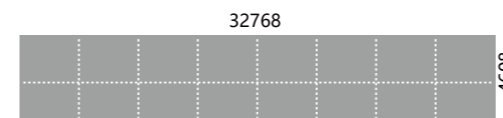
Creative Displays

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



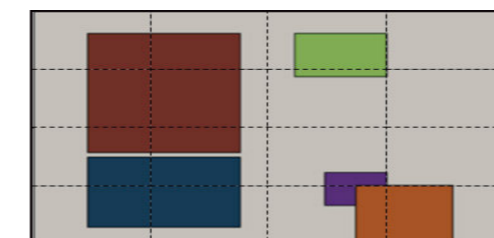
128 Mega Pixel Splicing

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



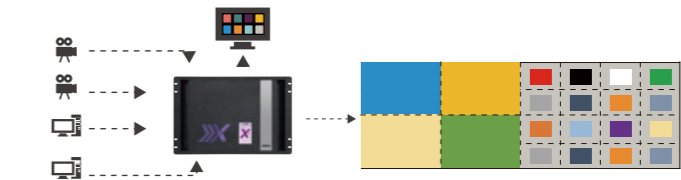
Multi-Layer | Multi-Window

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



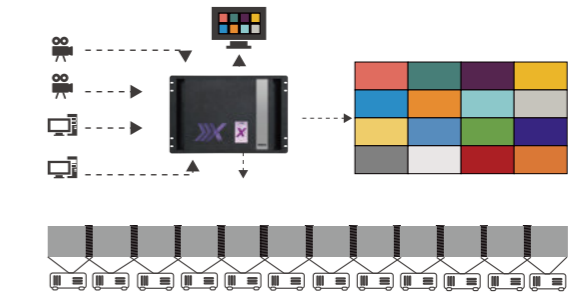
Video Wall Display & Control

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



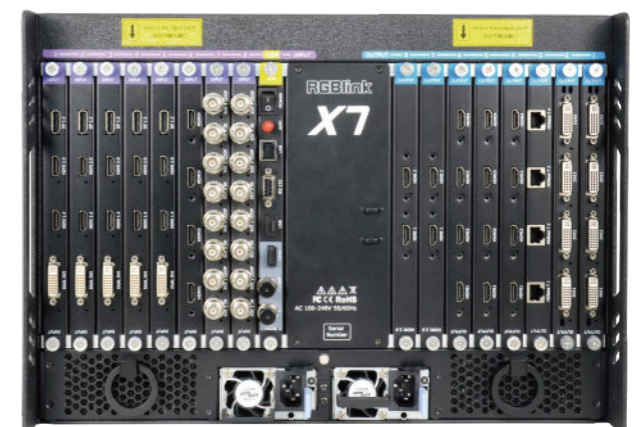
Large Scale Projection

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



Host & Manage Display Systems

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



STREAMING

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PRO AV

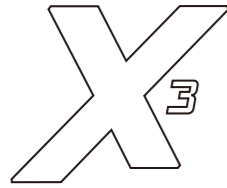
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High performance video wall processing

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





Multi-Layer | Multi-Window

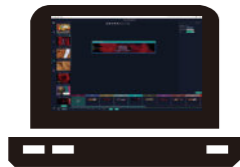
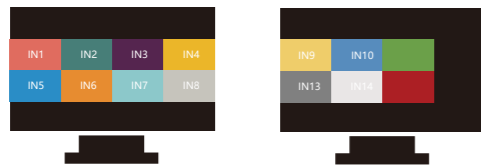
Output video from multiple sources as layers or windows scaled and positioned across the output pixel space.

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



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.



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.

OSD

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

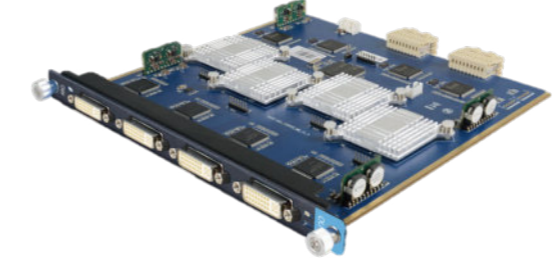
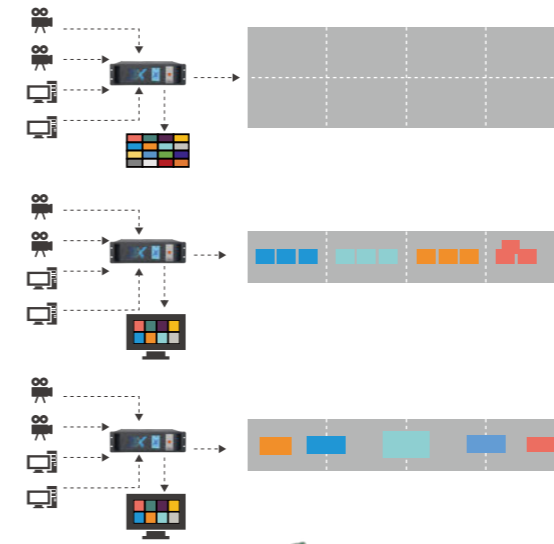
DSK / Chroma Key

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



Video Wall Display & Control

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



Rotate with Precision

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

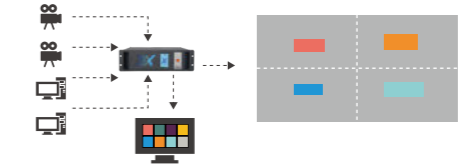
Synchronise

Genlock and HDMI digital reference inputs are provided, allowing synchronisation with other devices in the system



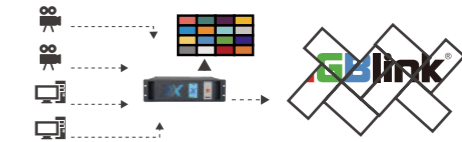
Presentation Switching

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



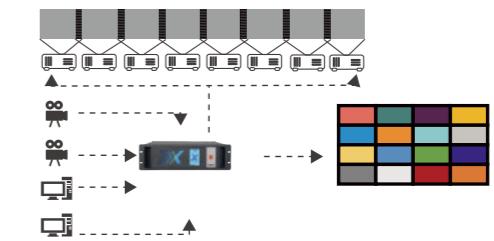
Creative Displays

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.



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M Series

Mixing & Scaling



M3

Video Control on Demand

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

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

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

M3

Integrated vision mixer & scaler

12 mega pixel capacity

PST to PGM presentation switching

Dedicated background Inserts

Dual LCD displays built in

Genlock Y In

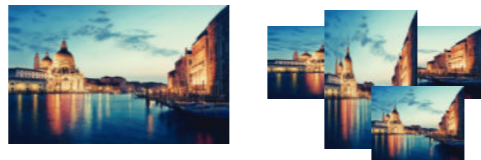
Support for Tally

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 is in any position.



Dual 2K Outputs

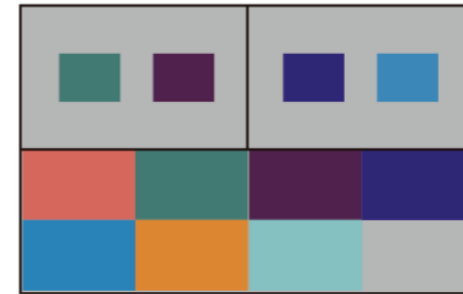
M3 is standard with two HDMI outputs. These outputs may be configured in a variety of ways – modes – included standard duplicated output, dual 2K (4Kx1K) or where AUX is fitted as spliced and extended.

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 a 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



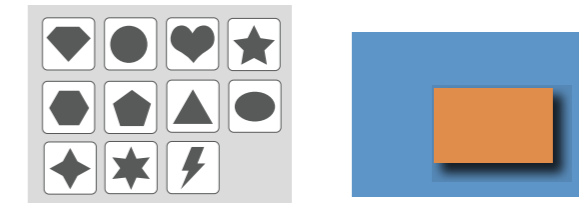
M3e Spliced 4K Presentation

With an AUX module fitted to an Me3 and an HDMI Loop, connect up to four displays to form a 4K display with PIPs and PST/PGM configuration



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

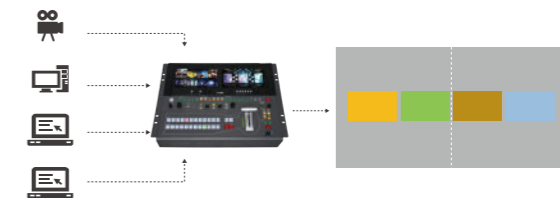
Import On Screen Display text messaging overlays in virtually any font or style, and either moving static. M3 provides a dedicated TAKE facility for OSD independently of the video TAKE.

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.

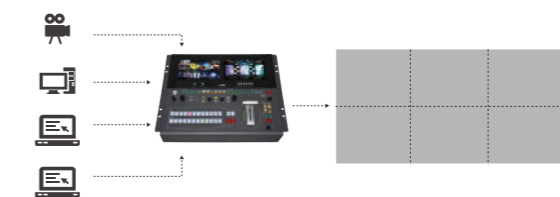
Video Wall Presentations

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



M3e Spliced Displays

With an AUX module fitted to an Me3, connect up to six displays to form a video wall of up to 8K1K



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M2








Multi-layer video mixing and integrated solution

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

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

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

M2

-  Integrated vision mixer & scaler
-  Four configurable 2K outputs
-  Up to modular inputs
-  Dedicated preview output
-  Genlock Y In
-  Tally Support
-  Choice of two models

Group Mode

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



Output Splicing Modes

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



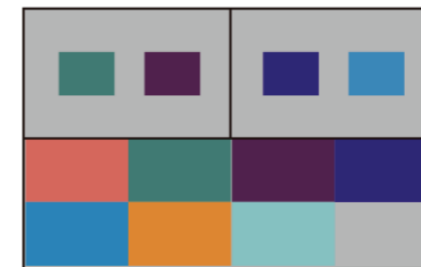
Digital Effects

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



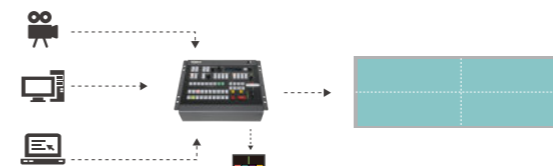
Multiview Preview

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



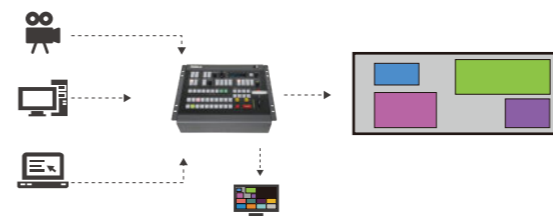
Presentation Mixing

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



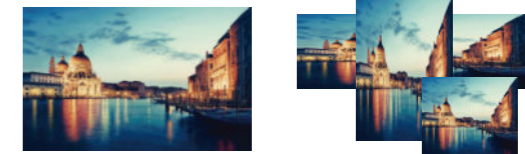
Spliced 4K Presentation

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



Scale

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



Crop & Position

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



OSD

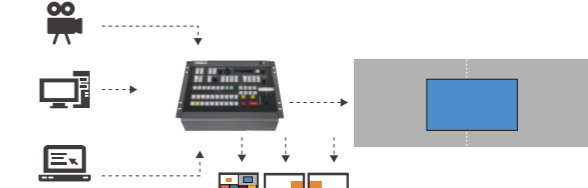
Import On Screen Display text messaging overlays in virtually any font or style, and either moving static. M2 provides a dedicated TAKE facility for OSD independently of the video TAKE.

LOGO & STILL

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

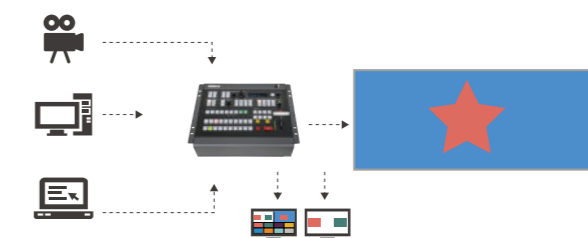
Video Wall Presentations

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



Presentation Switching with Effects

Add a standard or custom mask to a PIP layer to enhance the presentation.



M2s

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Subito Series LED Control Solutions

RMS Series Monitoring Solutions

MSP Series Video Tools/Extenders Signal Converters Signal Distributors

Accessories

Software

Reference

Contact



M1

Mobile + Mixed Signal Streaming from Anywhere to Everywhere

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

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

M1 is also equipped with NDI decoding module, which supports up to 4 Gigabit NDI network ports, which can realize high-quality, low-latency, long-distance transmission applications up to NDI | HX2.

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

M1



Fully integrated video scaling and mixing for everyday

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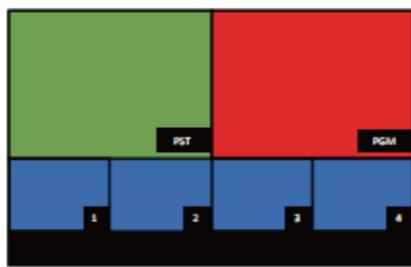
While compact in size, M1 brings together essential features for small presentation environments, including audio mix features allowing connection to audio mixers or powered speakers.

Features

- Up to 4 different input signal modulators can be installed at the same time
- Four modular user fit inputs
- Single channel output on HDMI (optionally SDI)
- Resolution independent configurable output
- Dedicated Multi-View Preview
- Picture in Picture with DSK & Mask effects
- Digital video transition effects
- Pixel-to-pixel scaling engine
- Digital stereo audio processing
- Support for external audio insert and output
- Genlock Y In
- Remote control via XPOSE mobile app.

NDI Decoding

M1 is equipped with NDI decoding module, which supports up to 4 Gigabit NDI network ports, which can realize high-quality, low-latency, long-distance transmission applications up to NDI | HX2.



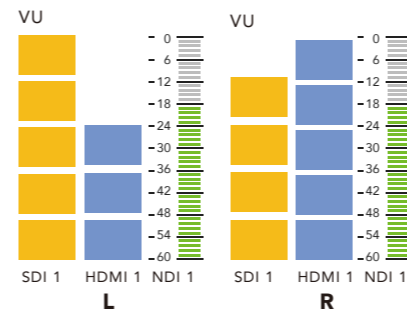
Dedicated Preview

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.



External Display

Bundle with Mobile more than an External Monitor Android Pad | Phone with OTG, works with TAO, not only as an external monitor, but also streaming encoder without PC engagement.



Mixed Audio

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



Digital Effects

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



Transition Effects

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



Visual Enhancements

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



Video Mixing

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

Modular by Design

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

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

Output options are HDMI or HDMI|SDI|USB 3.0 .



*shown with optional input and output modules, support structure for mobile devices are optional, need to order separately – refer specification and options.

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- Reference
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FLEX Series
Mixed Signal Matrix

FLEXpro⁸

Next generation flexible solution for sophisticated video applications

FLEXpro8 is an all new video processing solution for modern large scale display applications. With support for over 18 mega pixels across eight outputs, FLEXpro8 is designed for professional applications. Fit up to 16 independent inputs integrating a range of video sources and signals utilised in commercial display systems.

The innovative RGBlink modular signal system provides native on support for HDBaseT, Fiber and LED Control signals as well as conventional signals, embracing flexibility while being an efficient self-contained system.

Whether for integration or proAV FLEXpro8 has the multi-signal, multi-layer technology for virtually any display application.



Modular Design

FLEXpro8 has 4 input slots which may be configured with up to 16 universal single modules or 8 dual height modules. Input support includes 4K@60 (HDMI2.0) as well as SDI, DVI, HDBaseT and USB2.0 Media. Modular outputs across 2 slots provides for 8 outputs, standard as DVI with options for SDI, HDMI, DVI, DisplayPort, HDBaseT and importantly native Subtío Quatro signals.

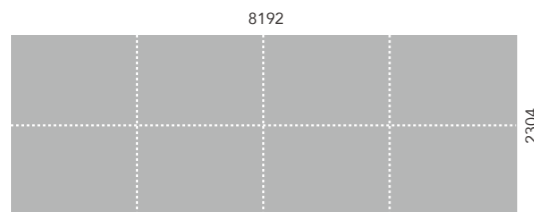
HDR Support

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



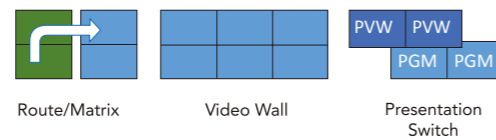
18 Mega Pixel Capacity

Arrange outputs on a virtual canvas to create display surfaces up to 8192x2304px at high 60Hz digital refresh.



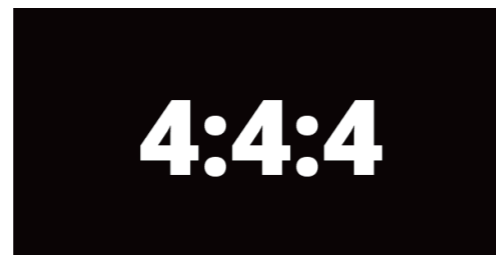
Multi-Mode Operations

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



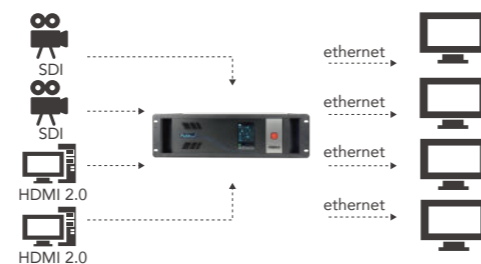
Full Color Space

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



Video Over IP

FLEXpro8 includes options for video over ethernet standards including HDBaseT modules allowing direct connection to displays without conversion.



4K / UHD Support

Select from digital input and output options including HDMI.



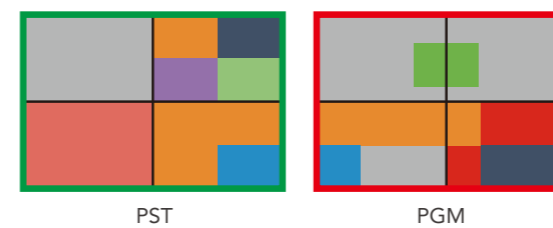
Genlock

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



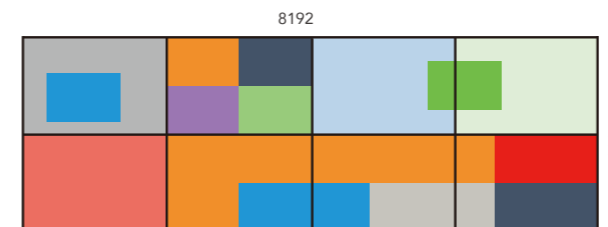
Presentation Switch

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



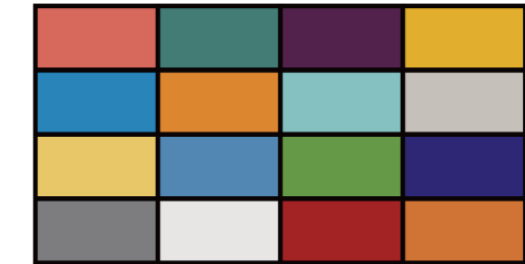
32 Video Layers

Display up to 32 video layers from across any of up to 16 input sources. A signal output supports up to eight layers allowing extensive multi-windowing opportunities



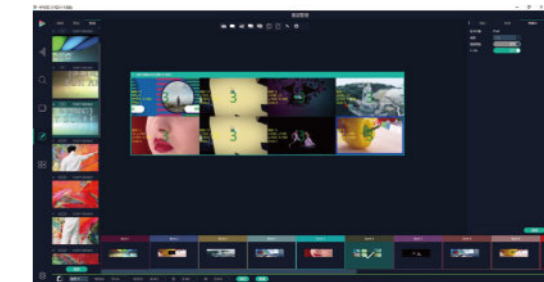
Dedicated Multi-View Preview

A built in preview feature allows local and remote preview video sources. Connect display to HDMI PVW for a 4x4 Multiview. Connect the H.264 to XPOSE or a third party application to view multiple sources remotely. When connected to XPOSE, video can be seen in presets during configuration and operations.



Connect and Control

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



Modular Power Supply

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



Front LCD Monitoring

The integral LCD provides local monitoring and status of FLEXpro8.



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- 1 Series Switcher/Scalers

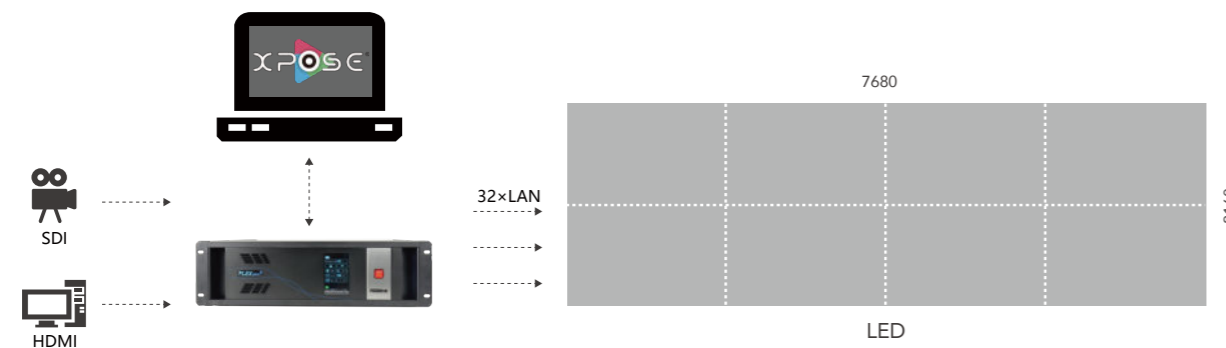
- T Series Control Consoles
- Subito Series LED Control Solutions

- RMS Series Monitoring Solutions
- MSP Series Video Tools/Extenders Signal Convertors Signal Distributors

- Accessories
- Software
- Reference
- Contact

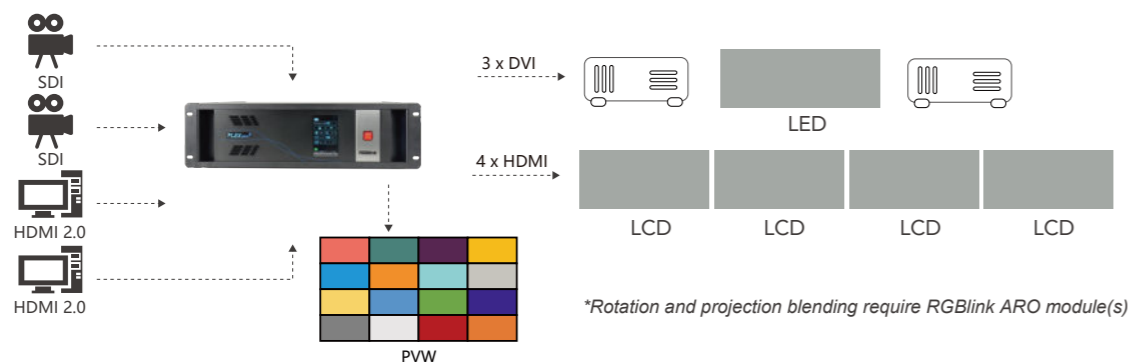
LED Control System

With RGBlink Subito built directly in to FLEXpro 8, installing Subito Quatro provides deep and rich no-gap integration for LED displays natively into the video processing solution, enhancing efficiency and productivity with a single common interface while reducing potential points of failure and saving valuable rack space.



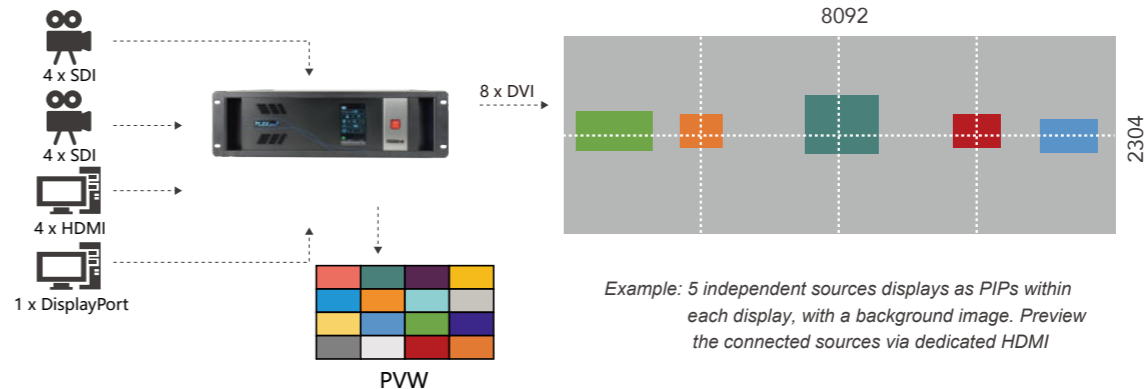
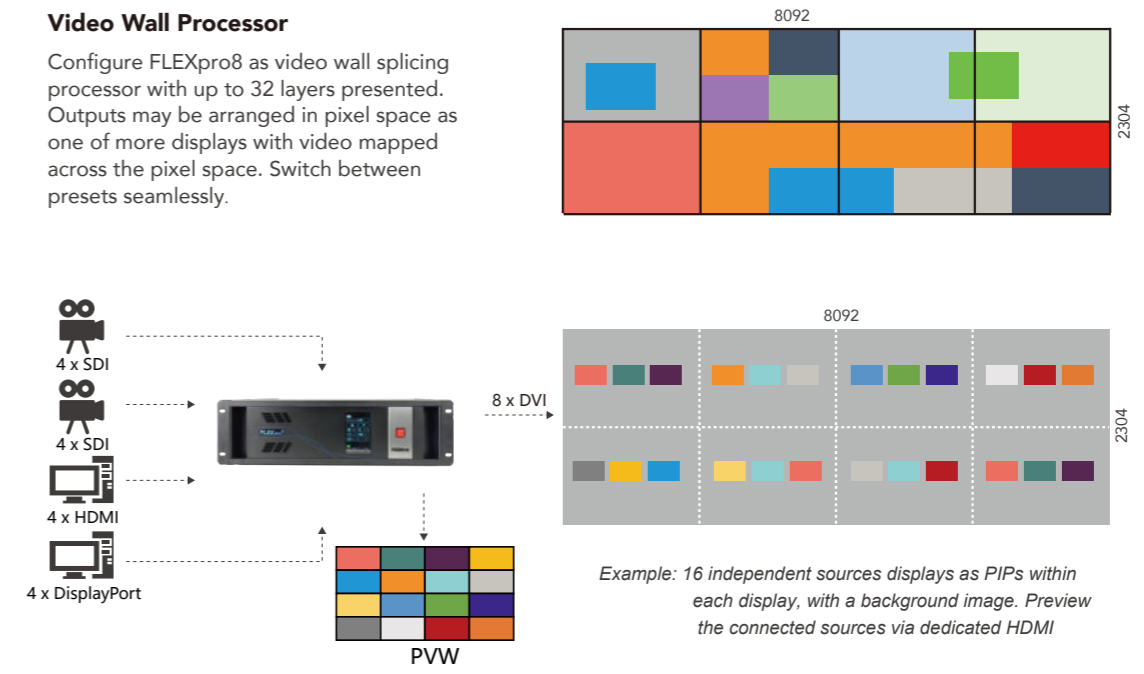
Display System Management

Multi-display and multi-mode operations are available on FLEXpro 8, enabling the processor to provide a complete systems based solution across a combination of display types and operation requirements with centralised control.



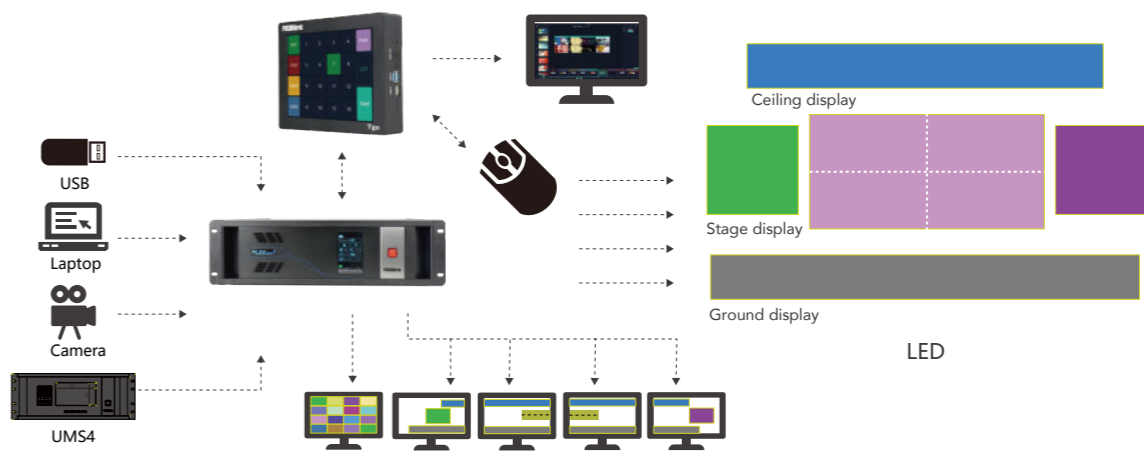
Video Wall Processor

Configure FLEXpro8 as video wall splicing processor with up to 32 layers presented. Outputs may be arranged in pixel space as one of more displays with video mapped across the pixel space. Switch between presets seamlessly.



Remote control

Control FLEXpro 8 via XPOSE, T1 Series consoles, or integrate via RGBlink OpenAPI with XPOSE and OpenAPI unlocking the powerful video control possibilities.



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- Contact

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.

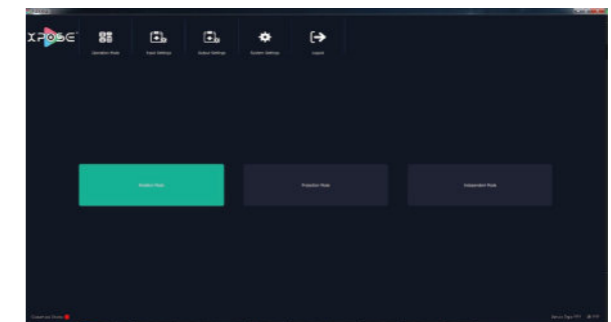
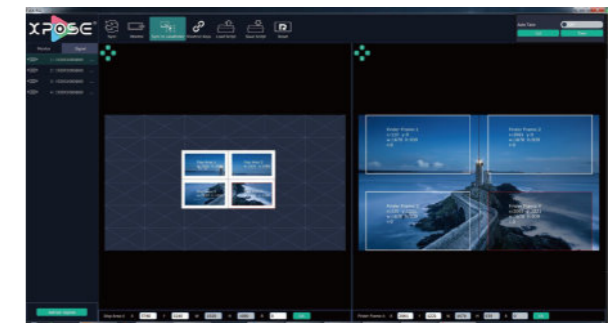
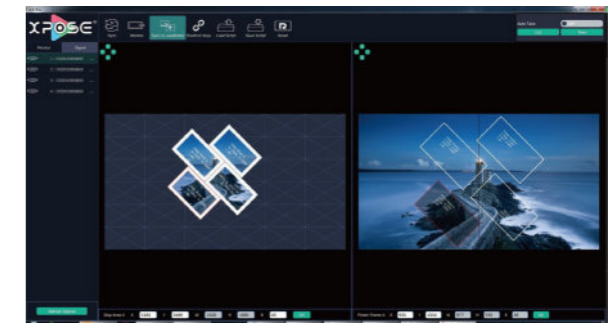
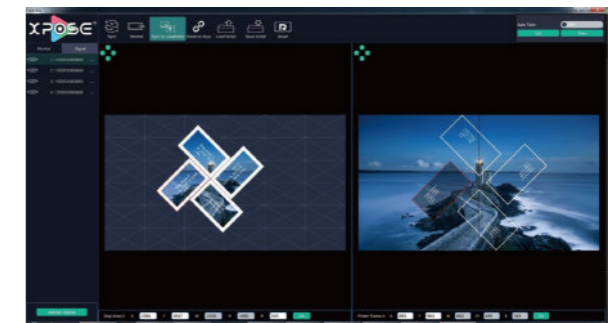


Integrate with OpenAPI

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.



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T Series
Control Consoles

Subito Series
LED Control Solutions

RMS Series
Monitoring Solutions

MSP Series
Video Tools/Extenders
Signal Converters
Signal Distributors

Accessories

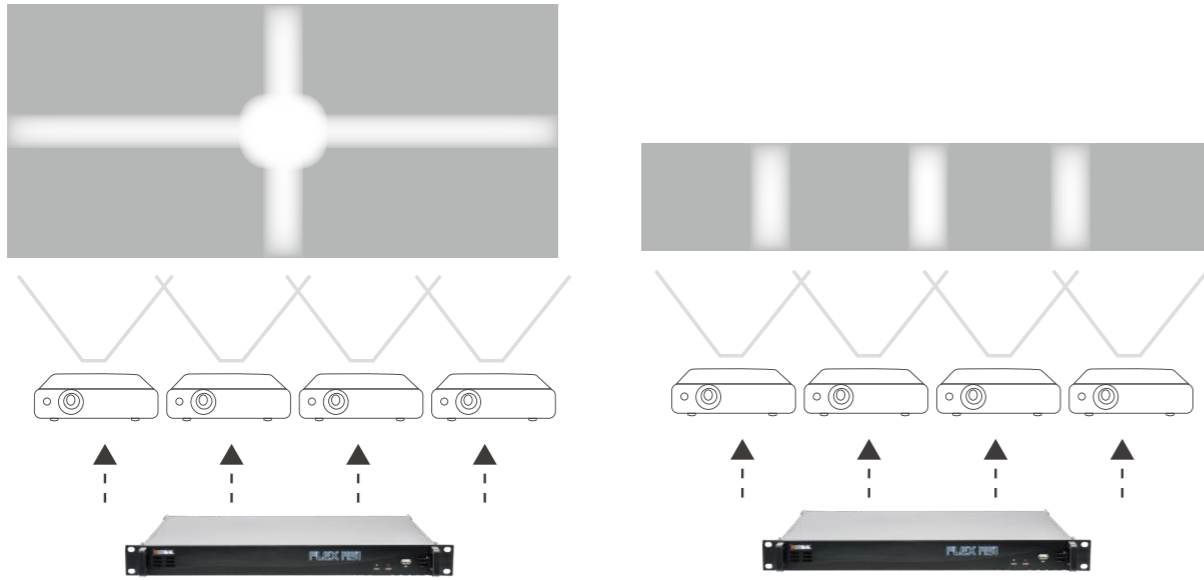
Software

Reference

Contact

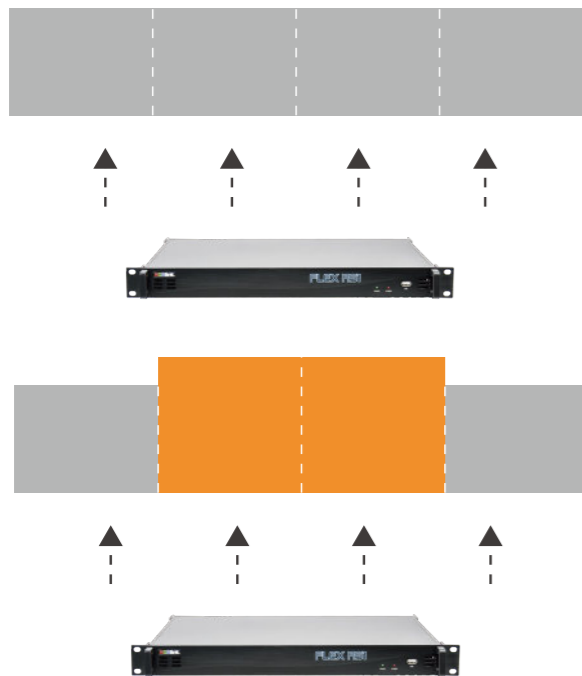
Variable Edge Blending

As an edge blending processor, FLEX RS1 may be configured to output video enabling up to four projectors to be arranged combined to form a single display surface. Area of interest is also selectable allowing variable projection distances and non-linear overlaps.



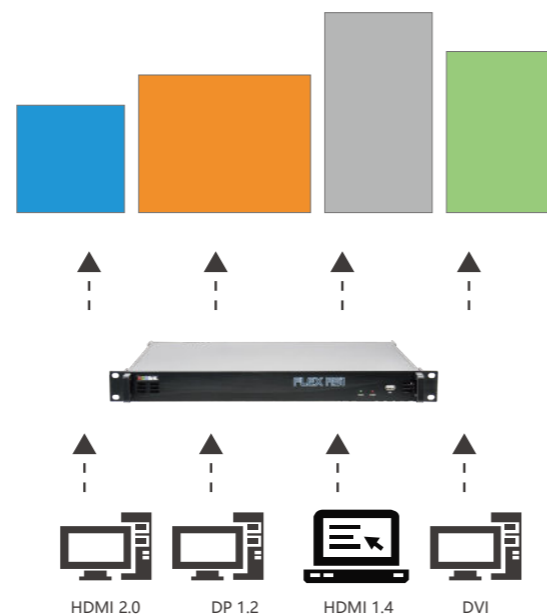
4K Video Wall Splicing

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



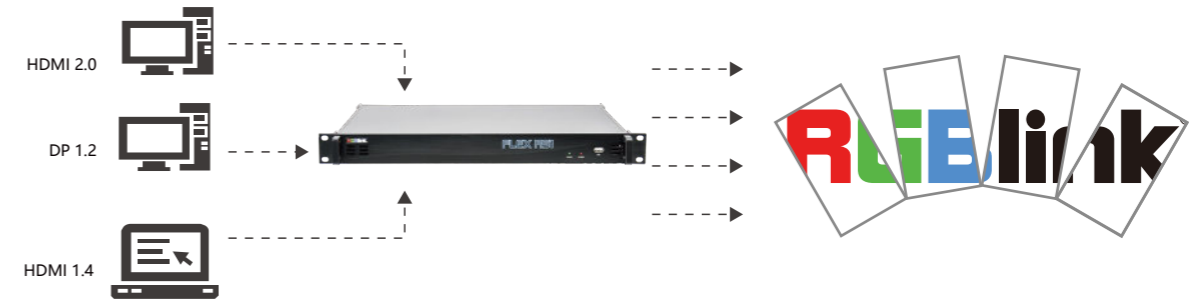
Matrix Routing

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

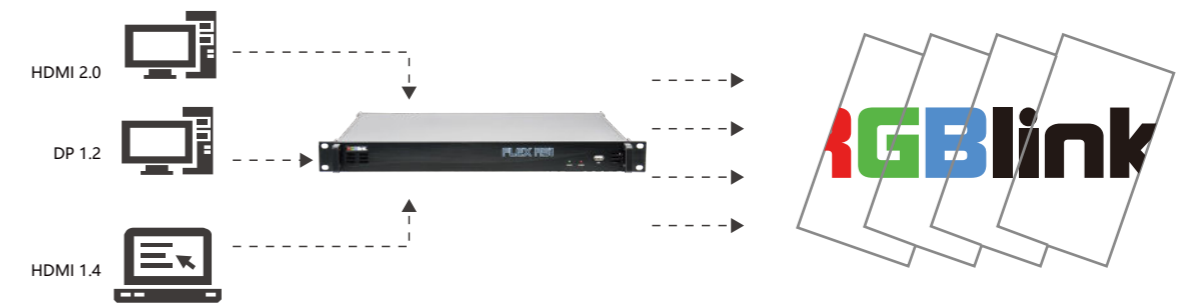


Advanced Rotation

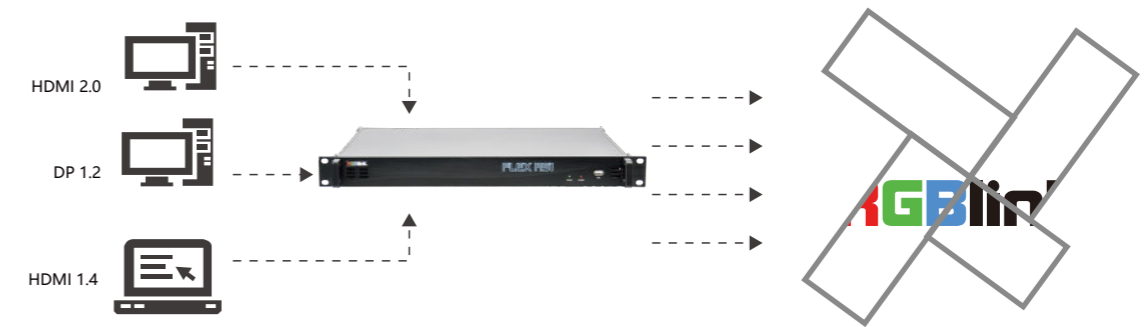
FLEX RS1 enables displays to be physically positioned and rotated in fine single degree increments, with the processor mapping and delivering video content to the display surface based on position in pixel space. Variable density allows displays of varying sizes to be combined to form creative video display solutions.



Each of the four outputs may be configured individually with rotation in 1 degree positioning. Video layered and mapped across the output displays.



Overlapping displays are supported in any arrangement, opening up a wide range of application possibilities.



Each output can be configured independently allowing displays of multiple sizes and pixel densities to be supported.



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FLEX

FLEX 16



16x16 Mixed Signal Matrix & Videowall Processor

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

32x32 Mixed Signal Matrix & Videowall Processor

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

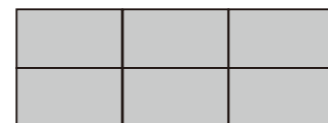
Matrix

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



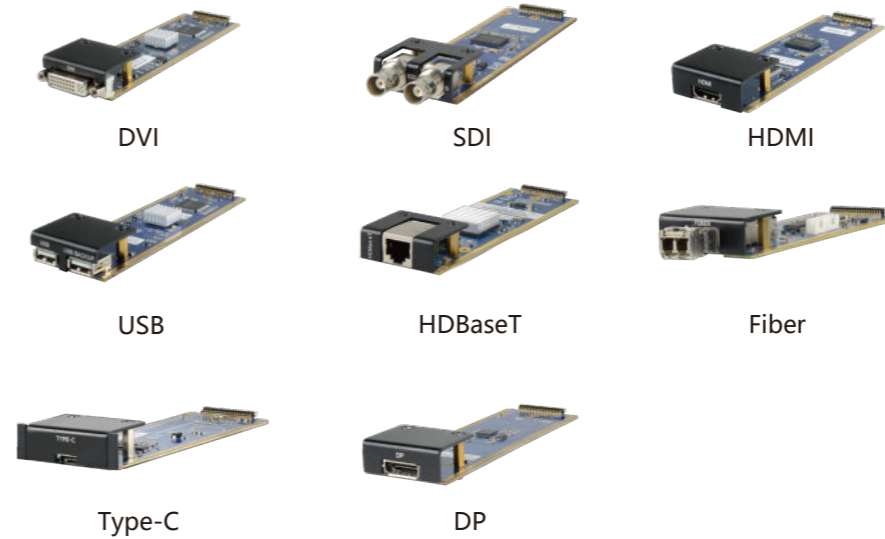
Videowall

Input signal spliced across output videowall display



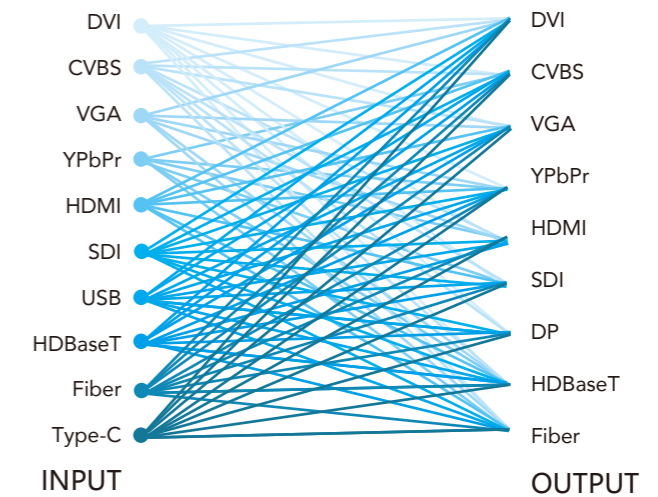
Fully Modular Design

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



Matrix Operations

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



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Q Series
Multi-signal Matrix

Q16 pro

Multi-Window splicing processor for LCD & LED Videowall

Q16 pro is a high-performance video image processing system and high-performance video splicing server using pure hardware and leading-edge FPGA processing architecture. Offering a range of input and output signals via a card-based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16 pro is a stable high-performance platform that can be deployed in varied applications including corporate and visual messaging as well in retail and digital signage applications.

The Q16 pro models allow connection of 4K video sources as well as output to 4K, with outputs offering multi-screen and multi-layer capabilities. A host of features are built in to Q16 pro, including EDID management, 3D image processing, and highly configurable OSD features at high-definition.



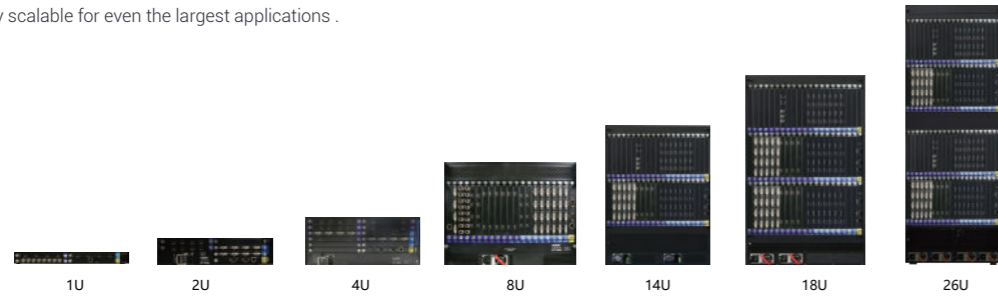
Multi- Layer Multi-Window

Q16 pro offers up to 8 2K windows or four 4K windows per output slot. Layer resources able to be freely used across any of the outputs within a slot for maximum availability and efficiency, including combinations of both 2K and 4K layer windows. Q16 pro layering allows multi-window applications for large scale and spanning multiple display outputs.



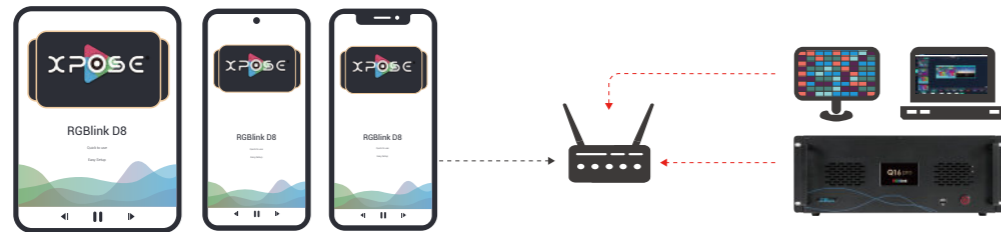
Frame Sizes for Every Scale

Q16 pro models range from the compact 1U through to 26U with up to 160 inputs and 160 outputs with common modules across the range. Q16 pro is truly scalable for even the largest applications.



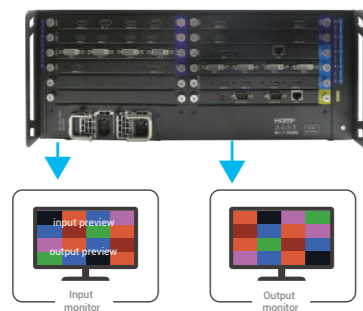
Take Control

Configure and control Q16pro devices from the acclaimed RGBlink XPOSE apps for laptop/desktop and mobile devices.



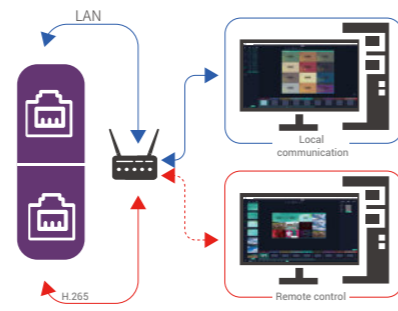
Input and output preview

Equipped with 2 high-definition multi-screen monitoring output interfaces, it can monitor 16 input or 16 output at the same time. Among them, 16 input source preview supports 4/9/16 screen division.



Dual network communication

Supports dual network communication: it has 1 local communication network port and 1 remote control port. In addition to remote control, the remote control port also has H.265 media remote control and monitoring functions.



OSD Dynamic Titles

Customised text in almost any format can be overlaid on output displays. The facility supports static and dynamic arrangements including scrolling messaging.



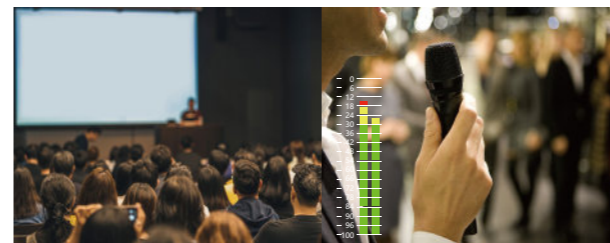
3D stitching

Scale and deliver 3D signals for 120Hz interpolated signals with internal frame-lock synchronization. Segmentation and fusion are completely seamless. Single key switching is available to transition between 2D and 3D on demand.



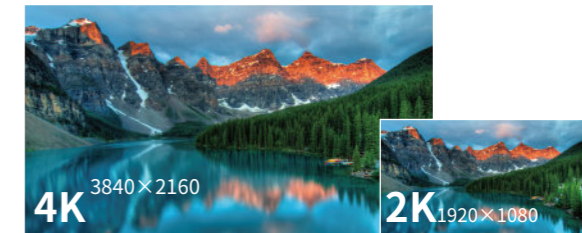
Dante volume monitoring

Dante audio technology integrates the media and control of your entire system into a standard network, and realizes real-time volume monitoring of 16 channels and 32 channels. Eliminates bulky and expensive analog wiring and replaces it with cheap and very common CAT5e, CAT6 wires for a simple, lightweight and economical solution



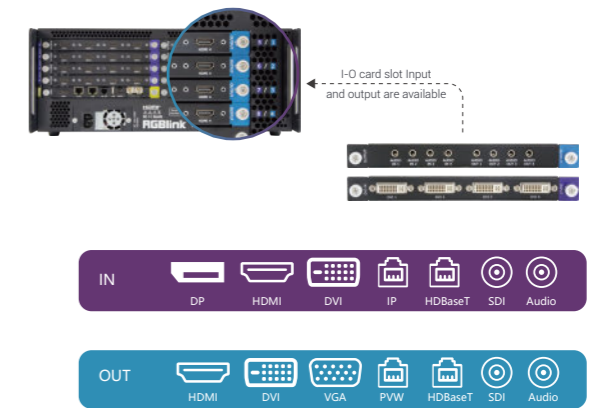
High Performance Lossless 4K Processing

Q16 pro not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed RGBlink.



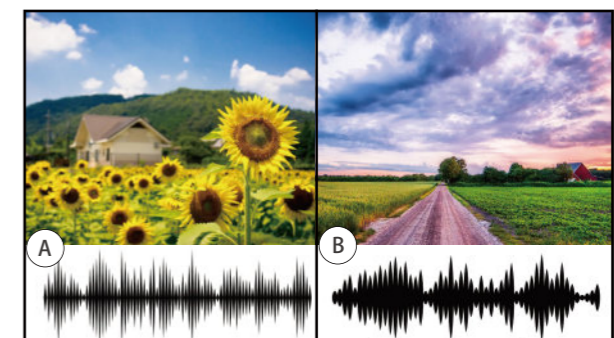
Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.



Configurable Audio Delivery

Both embedded and external/insert audio sources may be embedded to any output as well as be switched a part of video presets.



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- Subito Series LED Control Solutions
- RMS Series Monitoring Solutions
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- Accessories
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1 Series
Switcher/Scaler

GX4pro



No-gap scaling, processing and control

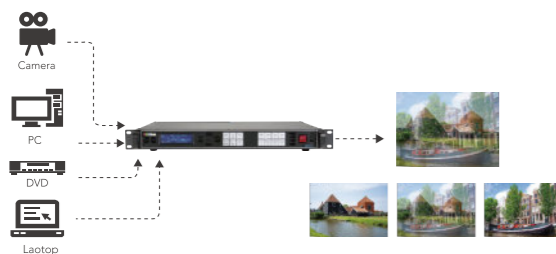
GX4pro is a video processor which supports DVI output resolution at 2048x1152@60 and offers multiple test pattern output resolution options. Beside standard with a 1 HDMI (with loop), 1 CVBS, 1 VGA, 1 DVI and 1 pair of Audio analog connectors, it also comes with 1 empty module slots for any single input modules selecting from HDMI, DP, DVI, SDI, VGA, 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 sender cards is installed. There are 2 empty slots fitting for one 2.6mega pixels sender card or two 1.3mega 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
- Picture-in-Picture (PIP)
- 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
- On board test patterns
- Support for multi-device cascade
- Compact 1U footprint

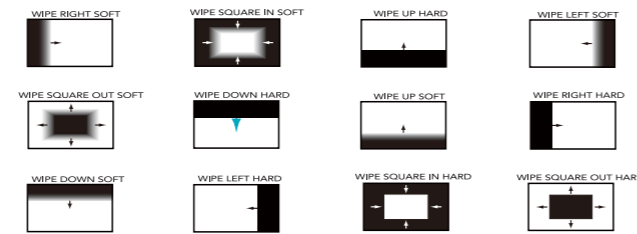
Seamless Switching

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.



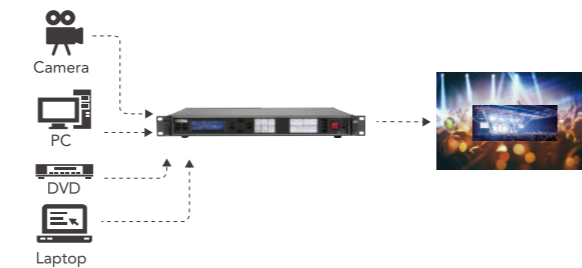
Transition Effects

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 functionally provides quick presets as well as refinements.

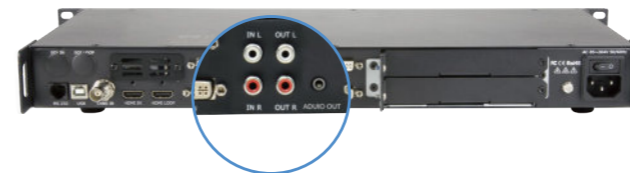


SDI as Standard and More

GX4pro features five input signals including much in demand 3G-SDI and HDMI. In addition a slot is provided for a user fit input signal of choice. Choose from a wide range of popular signals including SDI, HDMI, HDBaseT, USB Media and more to configure GX4 to a particular application environment.

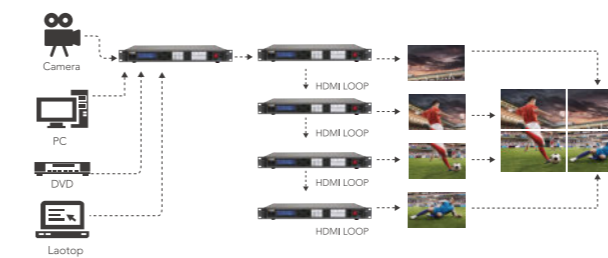
Audio Integrated

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 is idea 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.



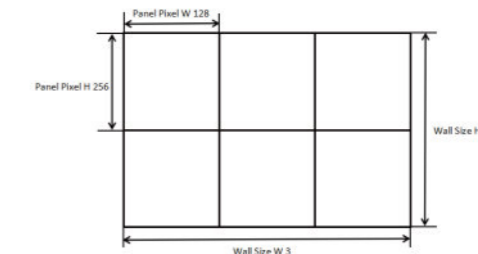
Multi-Device Splicing

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



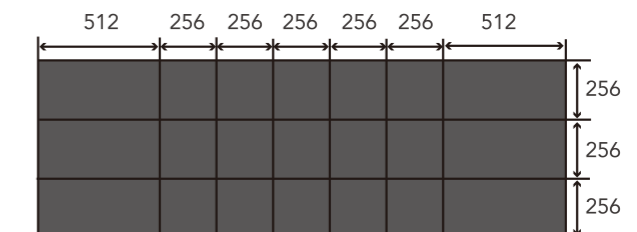
LED Display Configuration

Set up and dynamically configure 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.

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T Series Control Consoles

T1



Connect & Control

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

External Display

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

Interactive Touch Screen

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

Video Streaming

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



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

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

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

Configure & Preset

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

Dedicated to Control

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

Dynamic Control Surface

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

Convenient Control

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



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Subito Series
LED Control Solutions

SubitoNX™

Subito NX control system

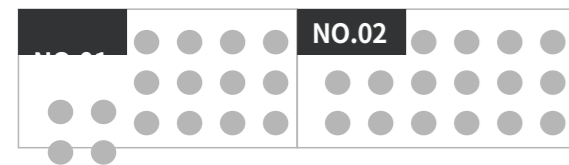
RGBlink's new-generation integrated control system is highly compatible. The whole series of SubitoNX control system includes LED control processing integrated machine, sending card bare card, receiving card bare card and other parts. Not only can it be applied to all mainstream processing equipment on the market, it is also proud that it can be flexibly applied to all of RGBlink's modular design processing equipment, and its application space has a qualitative leap, far ahead of the market control system factory. It also greatly solves the problems of poor maintainability, difficulty in centralized management, high maintenance costs, poor customer experience, and so on in the application of customers. It is the best choice for customers.

Project application plan



Configuring dynamic move freely

Subito NX control system supports freely moving the coordinate position of the control card and supports complex display connection.



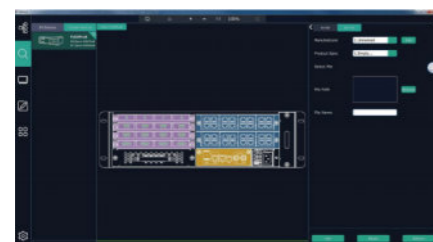
Screen image adjustment

The Subito NX control system can increase the brightness and color of the display itself, and it can also be attenuated and adjusted automatically through software lamp beads.



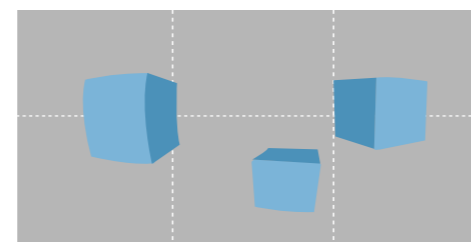
LED panel library configuration file

The configuration file of the LED screen body can be generated by RGBlink's XPOSE software and saved in the corresponding data library to reduce the cost of use.



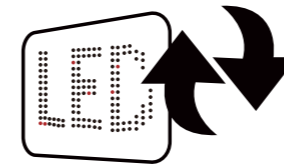
3D display

The SubitoNX control system can achieve 3D display effects, and is widely used in schools such as smart classrooms, science and technology museums, medical research rooms, and architectural research institutes.



Self-check function

The point-by-point self-checking function of the sending card can predict the fault location of the screen, including power supply voltage, module troubleshooting, receiving card, sending card, etc., for problem analysis.



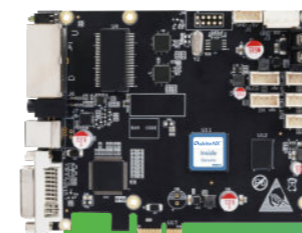
Star Product—Sending Card

Modular design

With unique creative module design technology, SubitoNX Quatro can be expanded without limitation, and can be selected with any layout or display pixel configuration.



Subito NX 300



- The maximum load of small cards is 1.31 million
- The widest single network port is 3840 and the highest is 2900

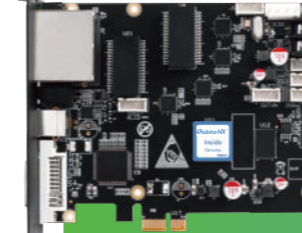
Subito NX S2



- Receiving card calibration data double backup and recovery
- Custom resolution settings

- Receiving card file read back and backup
- Prestore multiple sets of receiving card parameters
- Dual network cable hot backup, stable and reliable
- One key to connect screen
- Network cable error detection
- Single card color space conversion, improve Picture consistency
- Arbitrary splicing and multi-screen settings

Subito NX 600



- The maximum load of small cards is 2.35 million
- The widest single network port is 3840 and the highest is 2900

Subito NX S4



- Receiving card calibration data double backup and recovery
- Custom resolution settings

- Receiving card file read back and backup
- Prestore multiple sets of receiving card parameters
- Dual network cable hot backup, stable and reliable
- One key to connect screen
- Network cable error detection
- Single card color space conversion, improve Picture consistency
- Arbitrary splicing and multi-screen settings

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- RMS Series Monitoring Solutions

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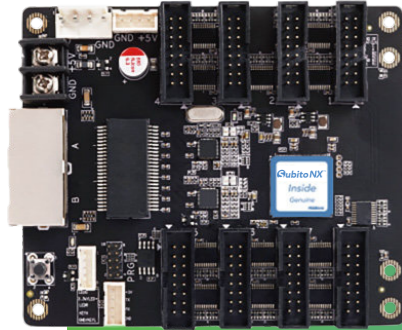
- Accessories

- Software

- Reference

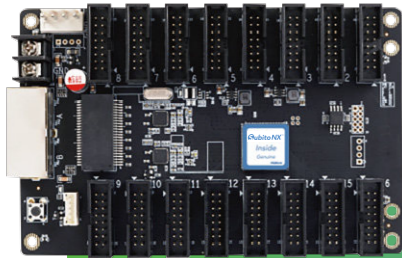
- Contact

Star product—receiving card



SubitoNX E08

- Single card supports 128*512 pixels
- Maximum support 64 scan
- 16 sets of data in parallel
- Parameter readback
- Independent GAMMA adjustment
- Large load
- Point by point bright color correction to eliminate chromatic aberration
- Significantly improve picture quality
- Dual network cable backup
- Wiring Diagram Smart Wizard
- Trimming and sewing



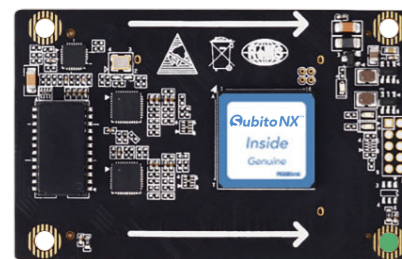
SubitoNX E16

- Single card supports 128*1024 pixels
- Maximum support 64 scan
- 32 sets of data in parallel
- Parameter readback
- Independent GAMMA adjustment
- Large load
- Point by point bright color correction to eliminate chromatic aberration
- Significantly improve picture quality
- Dual network cable backup
- Wiring Diagram Smart Wizard
- Trimming and sewing



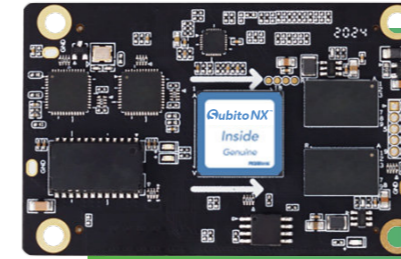
SubitoNX A08

- Single card supports 256*512 pixels
- Maximum support 64 scan
- 32 sets of data in parallel
- Parameter readback
- Large load
- Point by point bright color correction to eliminate chromatic aberration
- Significantly improve picture quality
- Dual network cable backup
- Wiring Diagram Smart Wizard
- Trimming and sewing



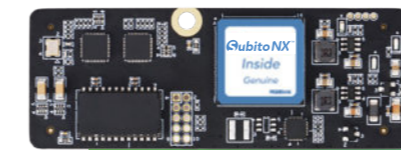
SubitoNX L01

- Single card supports 128*1024 pixels
- Maximum support 64 scan
- 32 sets of data in parallel
- Parameter readback
- Large load
- Significantly improve picture quality
- Point by point bright color correction to eliminate chromatic aberration
- Dual network cable backup
- Wiring Diagram Smart Wizard
- Trimming and sewing
- Support 3D display



SubitoNX L02

- Single card supports 512*512 pixels
- Maximum support 64 scan
- 32 sets of data in parallel
- Parameter readback
- Large load
- Significantly improve picture quality
- Dual network cable backup
- Point by point bright color correction to eliminate chromatic aberration
- Wiring Diagram Smart Wizard
- Trimming and sewing
- Support 3D display
- Fine gray scale
- Color Management



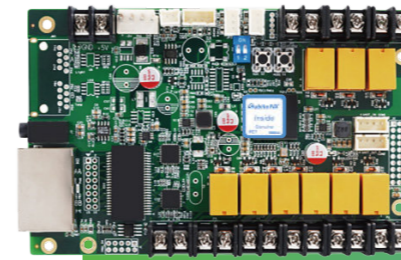
SubitoNX L03

- Single card supports 128*320 pixels
- Maximum support 64 scan
- 8 groups of data in parallel
- Parameter readback
- Large load
- Significantly improve picture quality
- Dual network cable backup
- Point by point bright color correction to eliminate chromatic aberration
- Wiring Diagram Smart Wizard
- Trimming and sewing
- Support 3D display
- Fine gray scale
- Color Management



SubitoNX L04

- Single card supports 512*512 pixels
- Maximum support 64 scan
- 32 sets of data in parallel
- Parameter readback
- Large load
- Significantly improve picture quality
- Dual network cable backup
- Point by point bright color correction to eliminate chromatic aberration
- Wiring Diagram Smart Wizard
- Trimming and sewing
- Support 3D display
- Fine gray scale
- Color Management



SubitoNX FC1

- Induction temperature
- Induction humidity
- 8 groups of data in parallel
- Display power information
- Audio output
- Can control 9 power switches
- Sensing external brightness
- RJ45 Gigabit Ethernet port communication

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RMS Series
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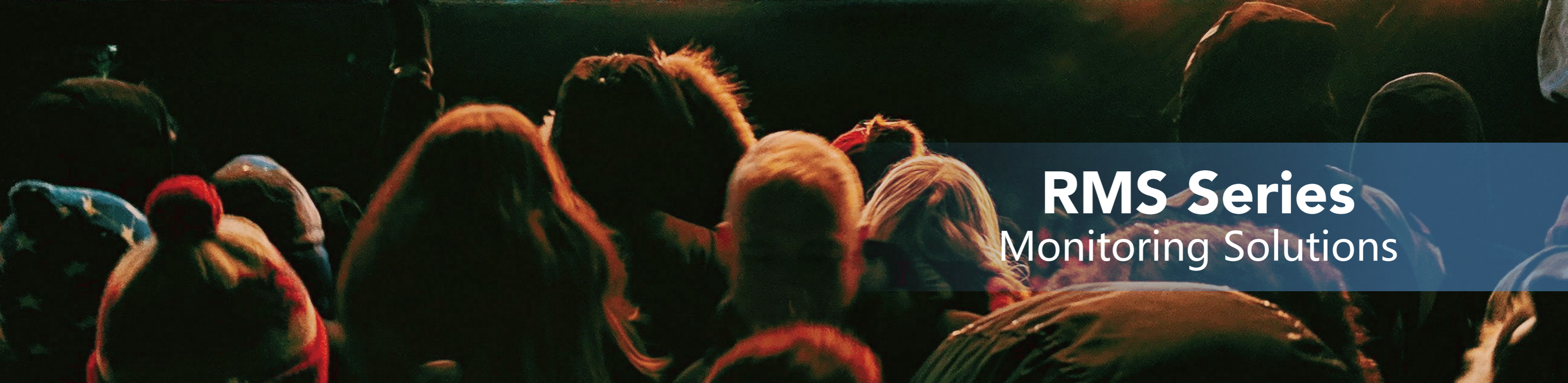
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Video Tools/Extender
Signal Converters
Signal Distributors

Accessories

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Reference

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RMS Series
Monitoring Solutions

RMS UHD SERIES



RMS 2380U/RMS 2700U/RMS 3200U 12G-SDI Professional Film and Television Production Monitor

This series is broadcast-grade 4K HDR monitor, equipped with UHD (3840x2160) screen, supports 4-channel single-link 12G-SDI, quad-link 4K SDI and HDMI2.0 signal input, supports high-precision 3D LUT with tetrahedral interpolation algorithm, supports HDR formats such as SMPTE ST2084(PQ), hybrid log-gamma HLG, various Gamma curves, camera Log and other professional functions which are widely used in pre-shooting and post-grading work in broadcasting, film, television, and high-end advertising production.

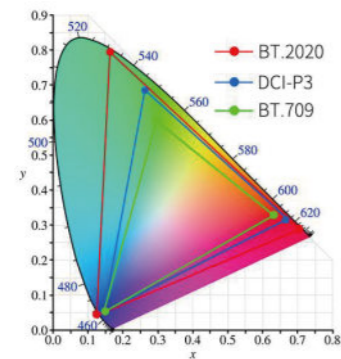
4K IPS LCD Panel 24/27/32 inch available

4K UHD LCD panel, with ultra high resolution 3840x2160, the color depth up to 10bit and display 1.07B colors, that allows you to see the color performance you have never seen before, provide more creation space for color grading.

RMS 2380U	UHD 3840x2160	540nit Brightness	10Bit 1.07B Colors	1200:1 Contrast	178° Viewing Angle
RMS 2700U	UHD 3840x2160	800nit Brightness	10Bit 1.07B Colors	1200:1 Contrast	178° Viewing Angle
RMS 3200U	UHD 3840x2160	700nit Brightness	10Bit 1.07B Colors	1200:1 Contrast	178° Viewing Angle

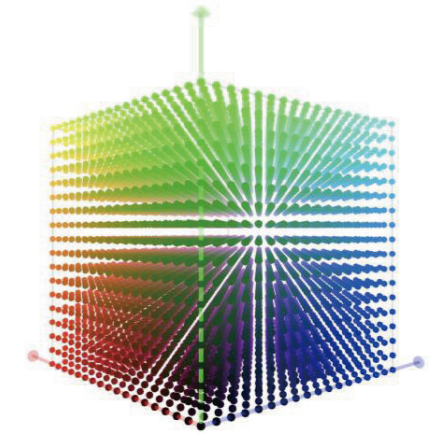
wide color gamut for broadcast TV and film standards

RMS UHD monitor covers 100% Rec.709 and 98% DCI-P3 wide color gamut, presenting rich color. And supports ITU-R BT.2020, ITU-R BT.709, EBU, SMPTE-C, Native and other color gamuts, meet the different needs of photographers for color gamut.



Accurate 3D LUT Color Calibration & Rainbow Color Management Engine

RMS UHD adopts a high-precision 3D LUT that supports tetrahedral interpolation algorithm, and built-in Rainbow color management engine, ensures RMS UHD series has accurate color reproduction capabilities.



Aluminum Alloy Frame

rugged and durable, easy to dissipate heat

The full aluminum alloy frame not only make the device more solid and durable, but also solve the problem of heat dissipation.



Flexible and Intuitive Button Operation

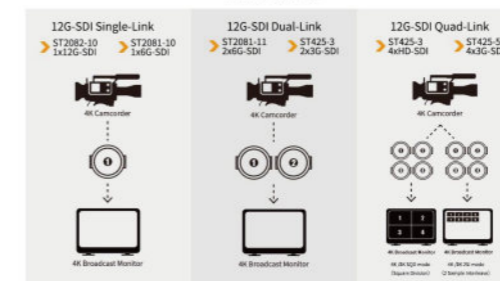
When you are busy at the shooting scene, you need to be able to easily control the equipment, and this RMS UHD series can meet your needs. It can switch between one-button sources, custom shortcuts, and quickly call out menu, etc. to make shooting easier. The backlight button design makes it easier for you to distinguish the current input signal and the shortcut keys used, easy to use even in dimly lit studio or outdoor environments.



12G-SDI /8K/4K HDMI Signal

Bringing you a new visual experience

When you need a higher quality SDI monitoring for 4K or 8K video, RMS UHD series is the perfect choice. It comes with 4*12G-SDI inputs and outputs, support up to 8K signal input, allow for multiple configurations of input, 1*HDMI 2.0 inputs, support up to 4096x2160p(60/59.94/50/30/29.97/25/24/23.98) & 3840x2160p(60/50/30/25/24) signal. Corresponding to the refresh of 60 frames per second, 4K audio and video transmission can be solved just over a single cable, reducing costs and ensuring high quality image, bringing you a new visual experience!



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RMS Series Monitoring Solutions

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12G-SFP Fiber Port

Seamless, high-speed, reliable data communication connection

This series comes with SFP interface compatible with universal SFP or SFP + fiber optical module, is an essential part of high-speed telecommunications and data communications, especially in large network environments, which allows for the receiving of broadcast quality transmission level video data over a fiber optic connection. Used by a great many TV broadcasters. Fiber optic input is the industry standard in control room video transfer technology.

Note: SFP module is for option.



Professional On Set Monitoring Tools

Accurately focus and efficient monitoring

RMS UHD series provides a series professional auxiliary monitoring tools, such as waveform, 3D-LUT, peaking filter, histogram, vector scope, audio meter, time code, image flip, etc. All these functions are easy to select and operate from OSD menu. Greatly improve the efficiency of on-site shooting and post-production.



Multiple Screen Modes

Perfect choice for multiple camera monitoring

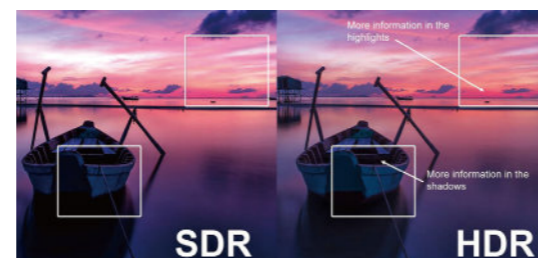
RMS UHD series supports quad view, Quadview triple side, Quadview triple bottom, PBP, PAP multi display mode for optional, one monitor can satisfy multi-camera monitoring.



SDR and HDR Image Comparison Function

Supports HDR mode/Gamma(EOTF)

RMS UHD series can perform SDR and HDR image comparison monitoring in multi-view mode, supports HLG (1.0, 1.1, 1.2, 1.3, 1.4, 1.5) mixed log gamma, ST.2084 Dolby Vision PQ, Sony S-log3 HDR, various common gamma and user Gamma LUT upload.



Payload ID Automatically Setting

RMS UHD series can read the Payload ID information of the SDI input signal source, automatically select the color gamut, EOTF (PQ or HLG) curve.



Dynamic UMD TSL3.1/4.0/5.0 Protocol

12G270F supports UMD of TSL 3.1/4.0/5.0 protocol, 8 letters can be displayed for single channel, let the program producer know at a glance which signal source is being switched.



3D LUT, Recreate Film Looks

3D-LUT is a table for quickly looking up and output specific color data. By loading different 3D-LUT tables, it can quickly recombine color tone to form different color styles. Built-in 9 DE-log LUT, you also can load the custom .cube file via USB flash disk (up to load 8).



Three Color Tally Lights

GPI controls Red Tally, Green Tally and Yellow Tally, which not only can remind the photographer to enter the recording state, but also appreciate the convenience of TV shooting quasi-professional technology in your creation.



Professional Audio Meters

RMS UHD series can de-embed audio from SDI and HDMI. Support select any 2 channels audio to output via speaker or 3.5mm headphone jack, maximum support 16 channels display. The audio meters can be displayed vertical or horizontal orientation.



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RMS 1516

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

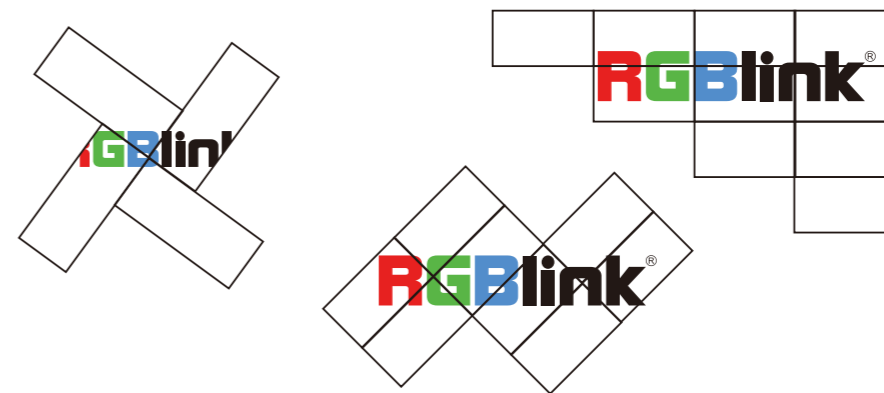
Rack Solution

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



Creative Solution

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



RMS 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.

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MSP Series

Video Tools/Extenders

Signal Convertors Signal/Signal Distributors

MSP 200PRO

Signal Monitor & Generator



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

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

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

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

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

Preview

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

Genlock

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

Wave Form Inspection

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

Test Patterns

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

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

Format Generator

A huge range of industry standard formats for both resolution and refresh are available for selection on board MSP200pro. These set the format for the standard SDI, CVBS and DVI output interfaces. The DVI port supports HDMI (10bit) as well as VGA, using adapters.

Audio

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

Portable

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

Rugged

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



MSP 221

EDID Manager



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

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

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

Connect

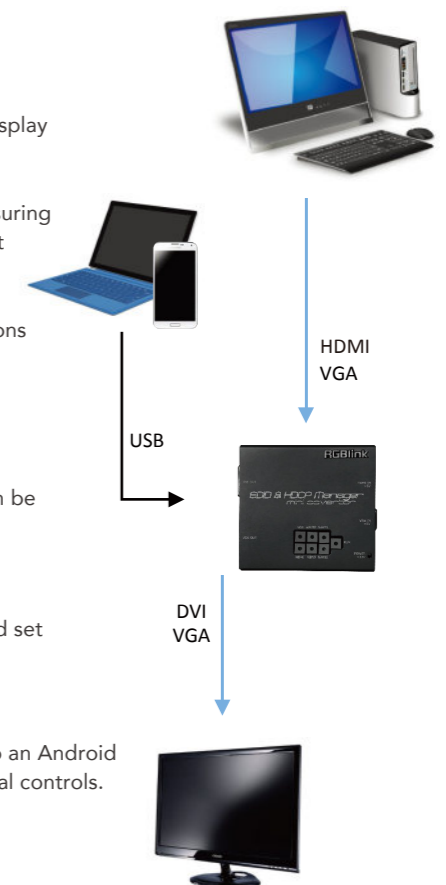
Connect MSP 221 between video source and display device. Input source can be HDMI or VGA (RGBVH). Output to display device is DVI or VGA.

Set

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

Control

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



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MSP

Extenders – cat5/6



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.

MG



MSP415 – HDMI I HDBaseT Set

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

MSP

KVM over IP



IC2/ IC2+ Distributed Integration Manager

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. Video 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.

* MG product may be fitted into MSP Garage

MSP

Encoder/Decoder



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

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MSP

Extenders – Fiber



MG

MSP 209M/ MSP 209S – Ethernet | Multi Mode Fiber

For Ethernet connections up to 1km/10km, MSP209M/MSP209S is a IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-LX compliant device set, supporting up to Gigabit Ethernet. MSP 209S/M-SP209S is supplied “ready to use”.



MSP 317 – 12G SDI Optical Fiber Converter

MSP317 is a all-in-one 12G SDI optical fiber converter, by dip switch it can be set as TX mode (12 SDI to optical fiber) or RX mode (optical fiber to 12G SDI).The supported resolution is for to DCI 4K25 and UHD 4K60 signals. This converter comes with a 12Gbps SFP+ transmission distance up to 10km, two 12G/HD/SD-SDI port one working as input and the other as loop out under TX mode or two identical outputs under RX mode.



MG

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.



MG

MSP 217 – 3G-SDI | FIBRE

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



MSP 314-2 – DVI Extender

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

Integral LC ports allow connection to Fiber cables for transmission up to 300m with multi-mode Fiber or up to 2000m with single mode Fiber. The ultimate in compact signal extension, simply power MSP314-2 from supplied plug-packs.

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

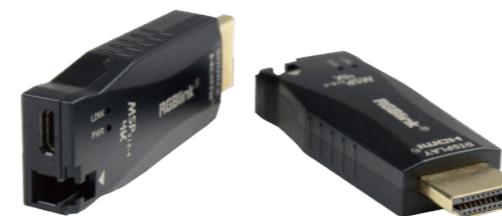


MSP 314-4 – DVI Extender

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

MSP314-4 features integral LC ports – simply connect to a Fiber cable for transmission up to 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 mode fiber optic cable. Similarly connect the receiver directly into an HDMI port on a display or downstream device. Just connect to low voltage power supply (included) at each end, MSP 318-4 is truly compact and ideal for portable applications or where there is restricted space.

MSP318-4 features integral LC ports – simply connect to a Fiber cable for transmission up to 300m .

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

* MG product may be fitted into MSP Garage

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MSP

Signal Convertors



MSP 203 – SDI | HDMI

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

MG



MSP 204 – HDMI | SDI

Convert common HDMI signals to SDI (up to 3G-SDI). Audio can be embedded into the SDI output or muted. Audio out split is available via 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.

MG



MSP 303 – SDI to HDMI Mini Converter

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

MG



MSP 304 – HDMI to SDI Mini Converter

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

MG



MSP 305 – SDI-HDMI | HDMI-SDI Mini Converter

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

MG



MSP 311 – HDMI 2.0 | Audio De-Embedder

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

MG



MSP 312 – HDMI 2.0 | DisplayPort 1.2

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

MG



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.

* MG product may be fitted into MSP Garage

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MSP

Signal Distributors



MSP 316H – HDMI 2.0 Distributor

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



MG

MSP 319 – 1x4 SDI Distributor

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



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 Ycbr: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 Ycbr:4:4:4 technology and 4Kx2K /60Hz resolution, HDCP2.2, 8 bits /10 bits /12 bits /36 bits /36 bits deep color. It supports input EDID management with two EDID modes, users can set according to the needs of the application, complete the best quality image allocation without signal loss display.



DXP H0108

DXP H0108 is a HDMI2.0 one HDMI input and eight HDMI outputs video distributor, to achieve 1 x HDMI2.0 input and 8 x HDMI2.0 output signals distribution. HDMI2.0 supports HDR Ycbr: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 H0404

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



DXP H1010

DXP H1010 is a true 4K HDMI Matrix Switcher which allows to route any of 10 HDMI sources to any 10 HDMI displays! The DXP H1010 10x10 HDMI Matrix switch is a complete HDMI routing solution for True 4K HDMI systems. It supports resolution up to 4K 60Hz @ 4:4:4 and effortless control through Ethernet control, IR remote control, RS-232 and the front panel.

* MG product may be fitted into MSP Garage

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Accessories

Flightcases



1U Rack Sleeves

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



2U Rack Sleeves

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



4U Rack Case

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



8U Rack Case

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

Video Cable

DP to DP Cable



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

DVI to DVI Cable



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

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

HDMI to HDMI Cable



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

HDMI to DVI-D Cable



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

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

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Mini DP to DP Cable



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

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

Mini DP To DVI Adapter



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

Mini DP to DP Adapter



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

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



Optical fiber cable

- 2/4/6/8/12 core outdoor optical fiber cable
- LC/SC/ST connectors to choose
- Multi-mold 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
- G657compliant optic fiber, excellent stretchability and anti-bending feature
- TPU jacket to prevent mice biting
- Working temperature -40~80°C
- Fit for rental application
- Optional cable reel for easy storage

Connectors	Input	LC/SC/ST					
	Output	LC/SC/ST					
Performance	Tensile	Long Term	300N				
		Short Term	600N				
	Crush	Long Term	2000N/100mm				
		Short Term	3000N/100mm				
	Bending Radius	Dynamic	20D				
		Static	10D				
	Cable loss	Single Mode	1310nm	≤ 0.4db/KM			
			1500nm	≤ 0.3db/KM			
Multiple Mode		850nm	≤ 0.4db/KM				
		1310nm	≤ 0.3db/KM				
Environment	Temperature	-40~80°C		-20~75°C			
Physical	No.of Fibers	2	4	6	8	12	
	Size	3.3mm	5.0mm	5.0mm	6.0mm	6.0mm	

Mini DP to HDMI Adapter



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

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



Cat5E/Cat6 Cable

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

		Cat5E	Cat6
Conductor	Wire Gauge	24AWG	24AWG
	Material	Bare Copper Twisted Pair	Bare Copper Twisted Pair
	Cord Size	7/0.2/BC+0.008	7/0.2/BC+0.008
Insulation	Avg.Thickness	0.19mm	0.2mm
	Min.Thickness	0.16mm	0.16mm
	Material	HD-PE	HD-PE
	Color	Orange*White/Orange, Green*White /Green, Blue*White/Blue, Brown*White/Brown	Orange*White/Orange, Green*White /Green, Blue*White/Blue, Brown*White/Brown
Jacket	Diameter	0.98+0.05mm	0.98+0.03mm
	Avg.Thickness	0.6+0.05mm	0.6+0.05mm
	Material	110P PVC	110P Matte
Physical	Diameter	6.0+0.2mm	6.0+0.015mm
		Length can be customized, up to 100 meters	1.2m / 3m /10m / 20m / 30m

HDMI 2.0 AOC Active Optical Cable



- Up to 300m Maximum Length.(Custom Length Available)
- Low Power Consumption: 250mW (max). (No need external power)
- Plug and Play
- Compatible with HDMI 2.0 standard
- Support HDCP
- Self-detecting function for EDID information
- No loss of signal – delivering crystal clear digital images instantly
- Supports computer resolutions to 1080P and 4K2K(60P)
- Hybrid optical cable with fiber and copper wire

Cable	Hybrid Cable	4 core fiber +7 copper wires + jacket		
	Fiber	50/125 um multimode fiber		
Connectors	Input	SOURCE	HDMI-A	
	Output	DISPLAY	HDMI-A	
Performance	Supported Resolutions	HDMI 2.0		
		720p@60 1080p@60 2160p@60		
	O/E Converter	SOURCE	4 channel 850 nm VCSEL array	
		DISPLAY	4 CH GaAs PD array	
	Bending Radius	52mm (min)		
	Tensile Resistance	200N (max)		
Supported Standards	HDMI	2.0		
	HDCP	2.2/1.4		
Power	Input Voltage	HDMI+5V(No need external power)		
	Working Current	≤45mA		
	Power Consumption	≤250mW		
Environment	Temperature	-10°C~50°C		
	Humidity	5%~90%		

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Subito Series LED Control Solutions

RMS Series Monitoring Solutions

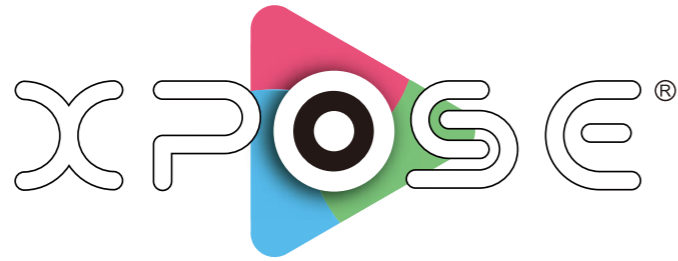
MSP Series Video Tools/Extender Signal Converter Signal Distributors

Accessories

Software

Reference

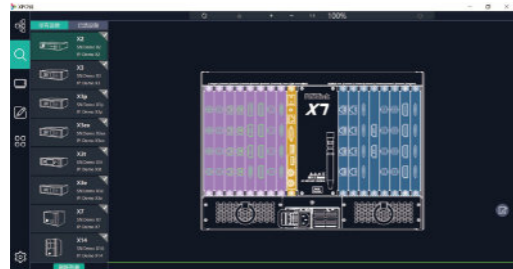
Contact



XPOSE is RGBlink's self-developed video processing equipment operating software, which enables unified control and management of RGBlink's different series of devices on XPOSE, that greatly reducing the learning costs.
The third-party certified products can also be controlled through the API open protocol, which achieves high efficiency, compatibility, stability and greatly improve user's operating experience.

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.

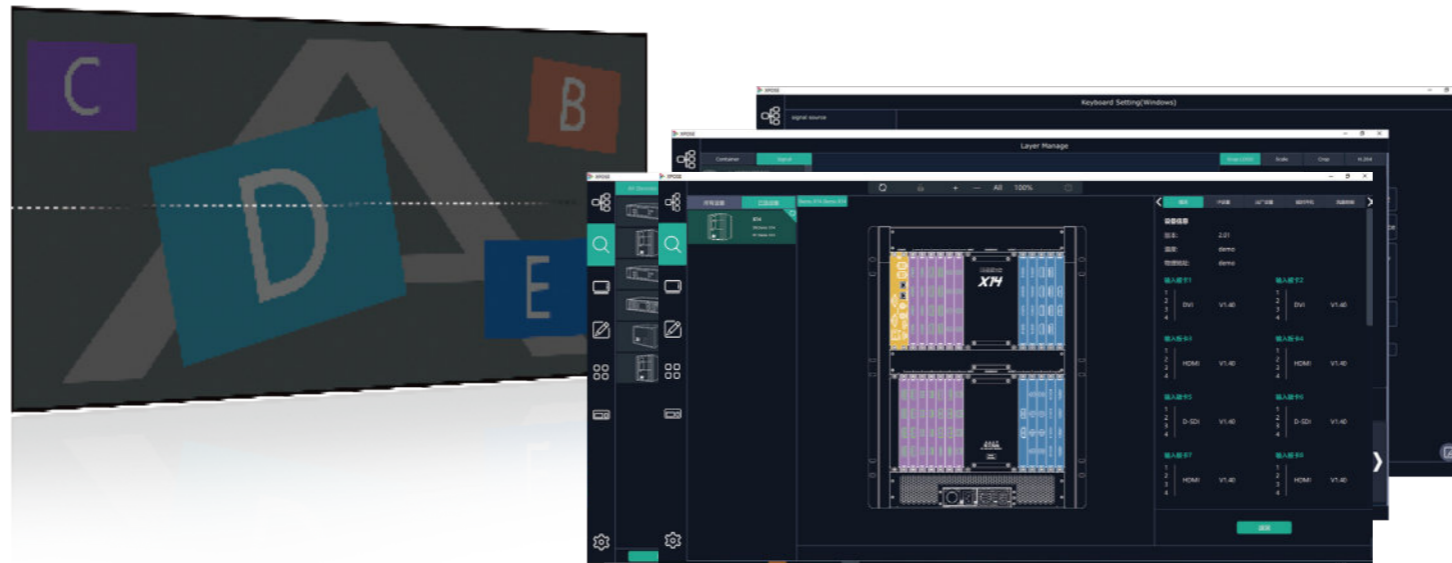


Modern Tools

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



Flexible Connections

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

Topology from Top to Bottom

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

Share Settings

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

Designed for Presentation Processors

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

4K Support

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



Complex Layouts

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

Drag 'n' Drop

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

Live Video Preview

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

Designed for Universal Processors

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

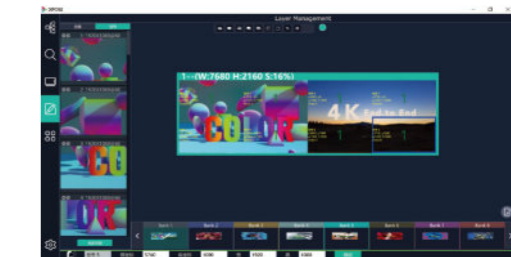


Developing Platform

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

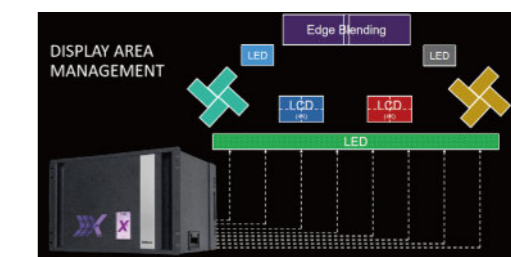
Virtual Canvas

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



Multi-Mode Operations

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



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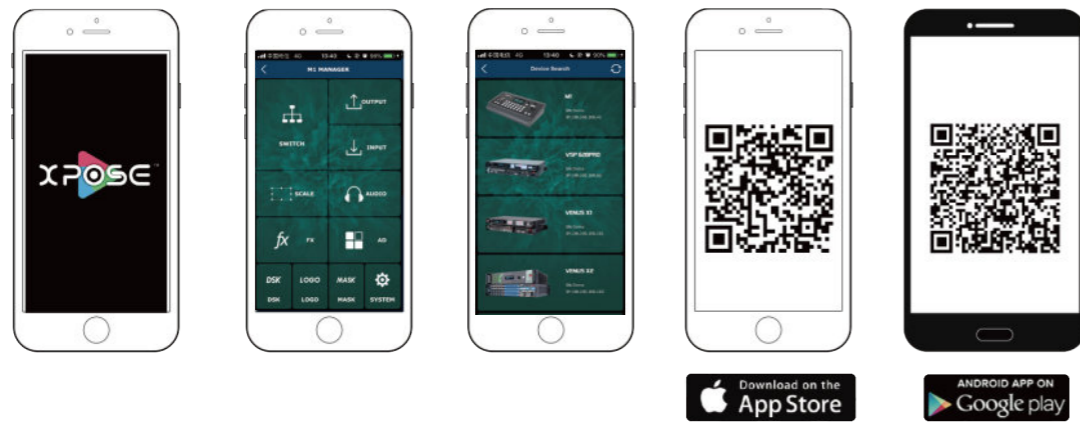
- RMS Series Monitoring Solutions
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XPOSE Mobile, fully developed in house by the RGBlink team provide a convenient remote control and configuration of universal and presentation processors.



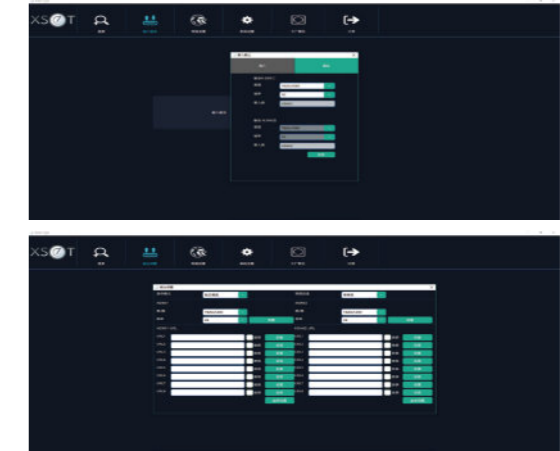
XPOSE mini APP is a mobile version APP customized by RGBlink for the mini series. It can be completely separated from the local and computer version of XPOSE control and can quickly and easily achieve various function management applications on the mobile phone APP.



Configure and monitor selected MSP series products.

Control for MSP

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



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

Consistent Updates

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

Common Update Tool

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

Review & Update

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

Packaged Updates

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

MASK

Load and prepare MASK BMP files.

Upload Features

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

OSD

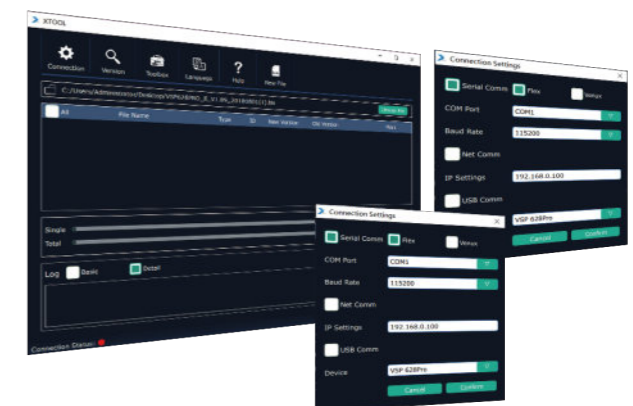
Configure OSD (On Screen Text) for loading on to products such as M2 or M3.

STILL

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

LOGO

Load and prepare LOGO BMP files.



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Common Terminology

SDI Video signal standardized in SMPTE 424M that uses a single serial link at 2 Gbit/s for uncompressed transmission of video with embedded audio. Connector is BNC.

CVBS CVBS or Composite video, is an analog video signal without audio. Most commonly CVBS is used for transmission of standard definition signals. In consumer applications the connector is typically RCA type, while in professional applications the connector is BNC type.

DVI Digital Visual Interface. The digital video connectivity standard that was developed by DDWG (Digital Display Work Group). This connection standard offers two different connectors: one with 24 pins that handles digital video signals only, and one with 29 pins that handles both digital and analog video.

HDMI High Definition Multimedia Interface: An interface used for the transmission of uncompressed high definition video, up to 8 channels of audio, and control signals, over a single cable.

DisplayPort A VESA standard interface primarily for video, but also for audio, USB and other data. DisplayPort (orDP) is backwards compatible with HDMI, DVI and VGA.

VGA Video Graphics Array. VGA is an analog signal typically used on earlier computers. The signal is non-interlaced in modes 1, 2, and 3 and interlaced when using in mode 4.

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

BNC Stands for Bayonet Neill-Concelman. A cable connector used extensively in television (named for its inventors). A cylindrical bayonet connector that operates with a twist-locking motion.

RCA Connector used primarily in consumer AV equipment for both audio and video. The RCA connector was developed by the Radio Corporation of America.

NTSC The colour video standard used in North America and some other parts of the world created by the National Television Standards Committee in the 1950s. NTSC utilizes an interlaced video 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 images (8 fields) for the colour-to-horizontal phase relationship to return to the reference point. This alternation helps cancel out phase errors. For this reason, the hue control is not needed on a PAL TV set. PAL, is widely used in Western Europe, Australia, Africa, the Middle East, and Micronesia. PAL uses 625-line, 50-field (25 fps) composite colour transmission system.

SMPTE Society of Motion image and Television Engineers. A global organization, based in the United States, that sets standards for baseband visual communications. This includes film as well as video and television standards.

VESA Video Electronics Standards Association. An organization facilitating computer graphics through standards.

Brightness Usually refers to the amount or intensity of video light produced on a screen without regard to colour. Sometimes called —black level.

Colour Bars A standard test pattern of several basic colours (white, yellow, cyan, green, magenta, red, blue, and black) as a reference for system alignment and testing. In NTSC video, the most commonly used colour bars are the SMPTE standard colour bars. In PAL video, the most commonly used colour bars are eight full field bars. On computer monitors the most commonly used colour bars are two rows of reversed colour bars.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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SDVoE Software Defined Video over Ethernet (SDVoE) is a method for transmission, distribution and management AV signals using a TCP/IP Ethernet infrastructure for transport with low latency. SDVoE is commonly used in integration applications.

NDI Network Device interface (NDI) is a software standard developed by NewTek to enable video-compatible products to communicate, deliver, and receive broadcast quality video in a high quality, low latency manner that is frame-accurate and suitable for switching in a live production environment over TCP (UDP) Ethernet based networks. NDI is commonly found in broadcast applications.

ST2110 A SMPTE developed standard, ST2110 describes how to send digital video over and IP networks. Video is transmitted uncompressed with audio and other data in a separate streams. SMPTE2110 is intended principally for broadcast production and distribution facilities where quality and flexibility are more important.

Dante AV The Dante protocol was developed for and widely adopted in audio systems for the transmission of uncompressed digital audio on IP based networks. The more recent Dante AV specification includes support for digital video.

H.264 Also known as AVC (Advanced Video Coding) or MPEG-4i is a common video compression standard. H.264 was standardized by the ITU-T Video Coding Experts Group (VCEG) together with the ISO/IEC JTC1 Moving Picture Experts Group (MPEG).

H.265 Also known as HEVC (High Efficiency Video Coding) H.265 is the successor to the widely used H.264/AVC digital video coding standard. Developed under the auspices of ITU, resolutions up to 8192x4320 may be compressed.

UHD Standing for Ultra High Definition and comprising 4K and 8K television standards with a 16:9 ratio, UHD follows the 2K HDTV standard. A UHD 4K display has a physical resolution of 3840x2160 which is four times the area and twice both the width and height of a HDTV/FullHD (1920 x1080) video signal.

API An Application Programming Interface (API) provides a predefined function which allows access capabilities and features or routines via a software or hardware, without accessing source code or understanding the details of inner working mechanism. An API call may execute a function and/or provide data feedback/report.

DMX512 The communication standard developed by USITT for entertainment and digital lighting systems. The wide adoption of the Digital Multiplex (DMX) protocol has seen the protocol used for a wide range of other devices including video controllers. DMX512 is delivered over cable of 2 twisted pairs with 5pin XLR cables for connection.

ArtNet An ethernet protocol based on TCP/IP protocol stack, mainly used in entertainment/events applications. Built on the DMX512 data format, ArtNet enables multiple "universes" of DMX512 to be transmitted using ethernet networks for transport.

MIDI MIDI is the abbreviation of Musical Instrument Digital Interface. As the name indicates the protocol was developed for communication between electronic musical instruments and latterly computers. MIDI instructions are triggers or commands sent over twisted pair cables, typically using 5pin DIN connectors.

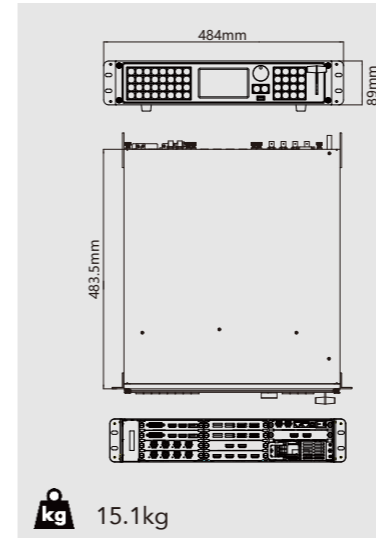
OSC The principle of Open Sound Control (OSC) protocol is for networking sound synthesizers, computers, and multimedia devices for musical performance or show control. As with XML and JSON, the OSC protocol allows sharing data. OSC is transported via UDP packets between devices connected on an Ethernet network.

HEVC Also known as H.265, High Efficiency Video Coding (HEVC), is the successor to the widely used H.264/AVC digital video coding standard. Developed under the auspices of ITU, resolutions up to 8192x4320 may be compressed.

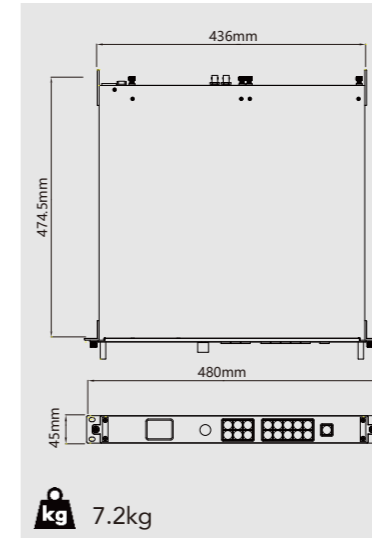
EDID Extended Display Identification Data. EDID is a data structure used to communicate video display information, including native resolution and vertical interval refresh rate requirements, to a source device. The source device will then output the provided EDID data, ensuring proper video image quality.

Dimensions

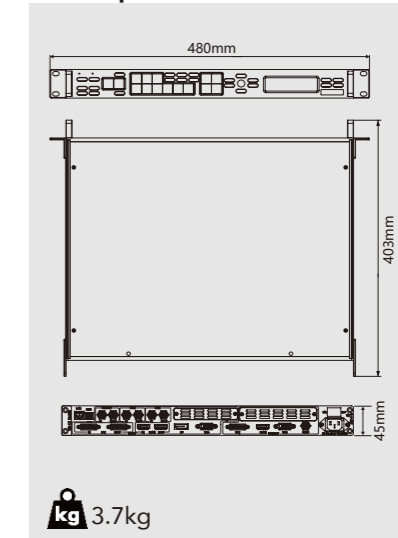
D6



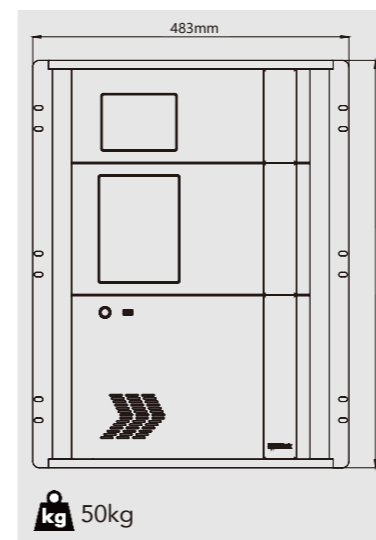
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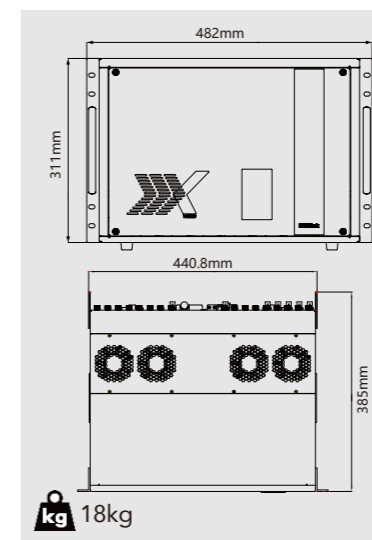
VSP628pro



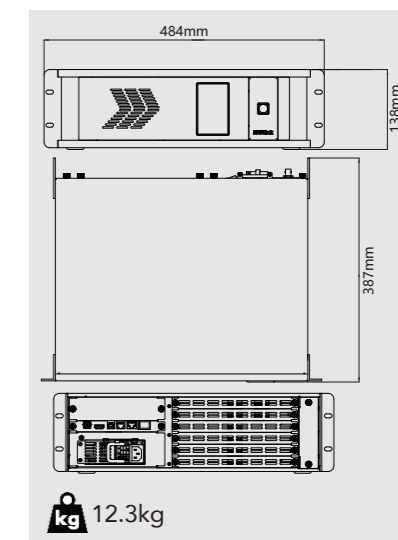
X14



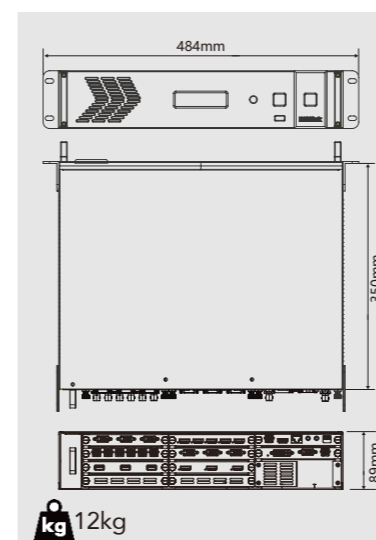
X7



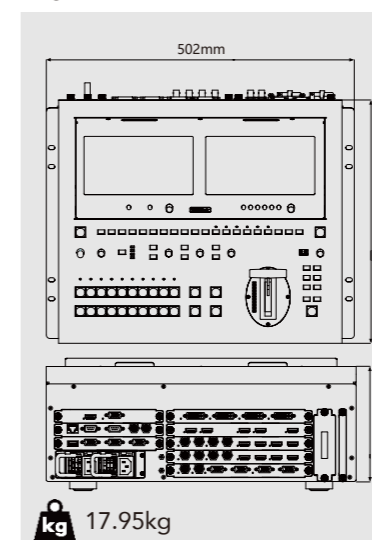
X3



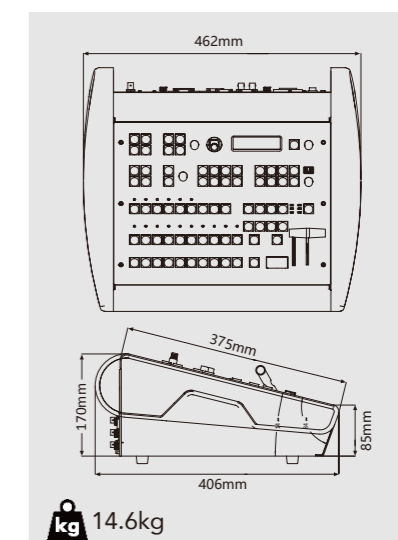
X2



M3



M2



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M1

482mm
280mm
95mm

kg 5.5kg

FLEX pro8

484mm
133.5mm
458mm

kg 12.3kg

FLEX RS1

480mm
438mm
404mm

kg 2.5kg

T1

591.3mm
218mm
591.3mm

kg 19.2kg

GX4

480mm
250mm
45mm

kg 3.1kg

FLEX 4ml

442mm
454mm
484mm
88.6mm

kg 9.5kg

FLEX 8

484mm
462.8mm

kg 2.5kg

FLEX 16

454mm
442.6mm
420mm

kg 8.05kg

mini/mini+

48mm
40.2mm
40.2mm

kg 0.6kg

G3 NET 2K

480mm
349mm
45mm

kg 3.3kg

UMS4

484mm
179mm
45mm

kg 17.7kg

RMS-1A

205mm
128mm
37.5mm

kg 2.5kg

UMS4

480mm
45mm

kg 15kg

X1 proe

480mm
432mm
264mm

kg 2.7kg

X1

480mm
432mm
303mm

kg 3.5kg

RMS 8424 | RMS 8424S

482mm
171.9mm
45mm

kg 3/3.2kg

RMS 5533 | RMS 5533S

480mm
129mm
45mm

kg 2.5/2.7kg

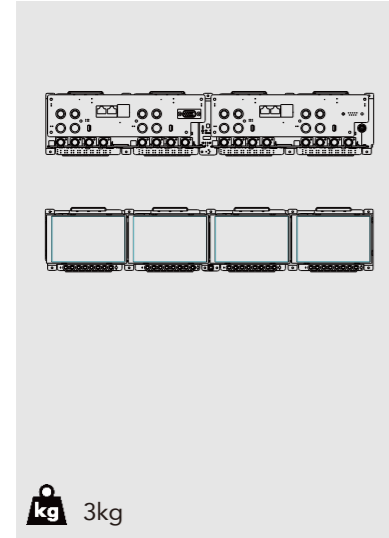
RMS 1516

372mm
20.4mm
362mm
200.5mm

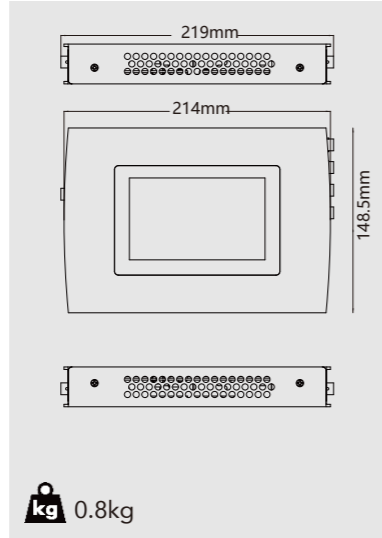
kg 2.03kg

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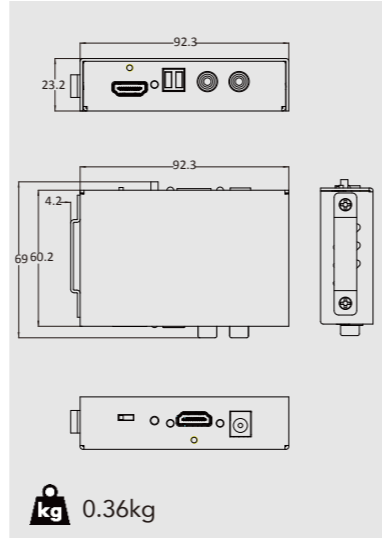
RMS 4542S



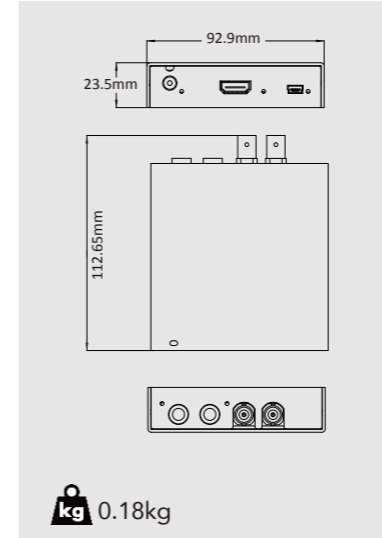
MSP 200PRO



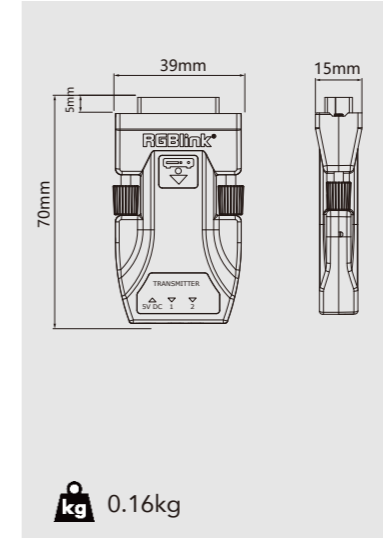
MSP 321



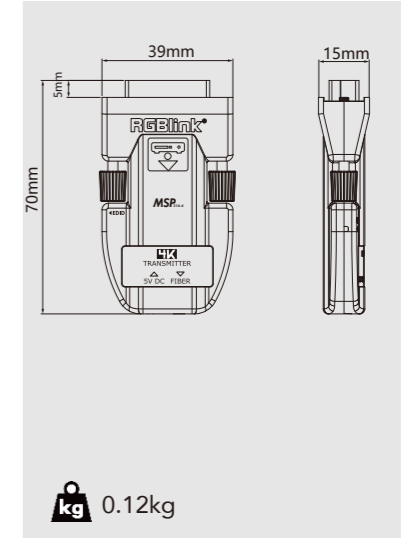
MSP 221 | MSP 219
MSP 203 | MSP 204



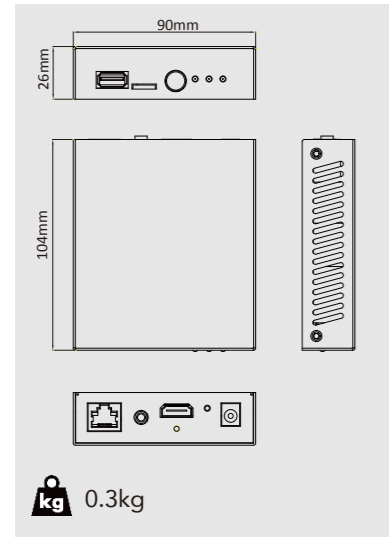
MSP 314-2



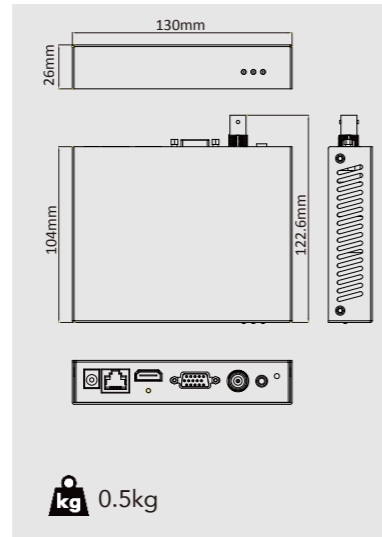
MSP 314-4



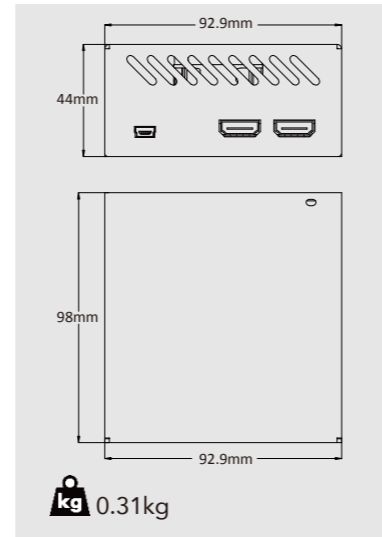
MSP 325



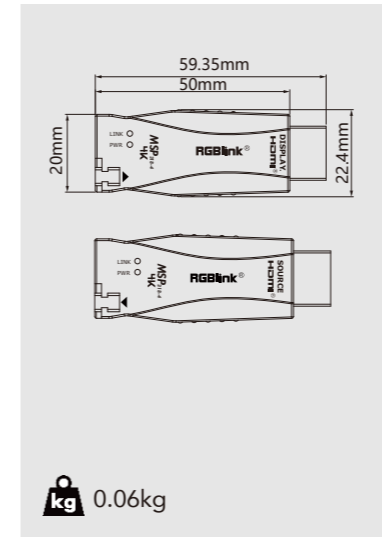
MSP 326



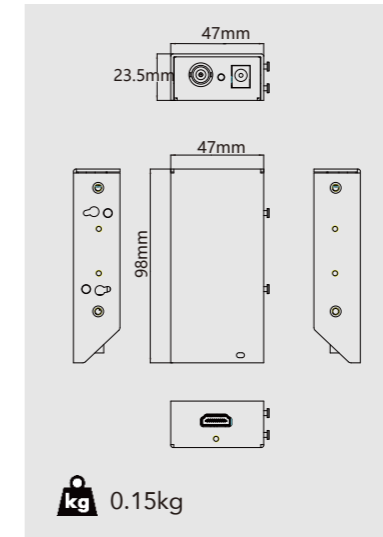
MSP 210 | MSP 225 | MSP 226



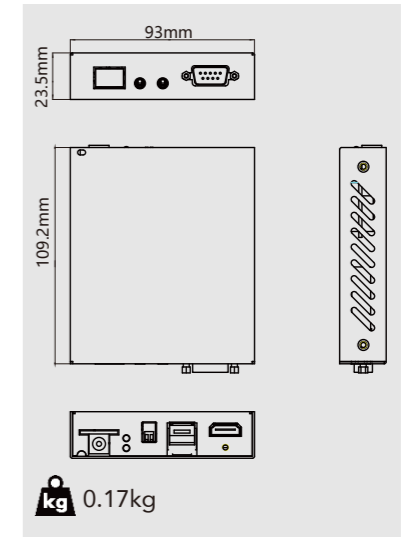
MSP 318-4



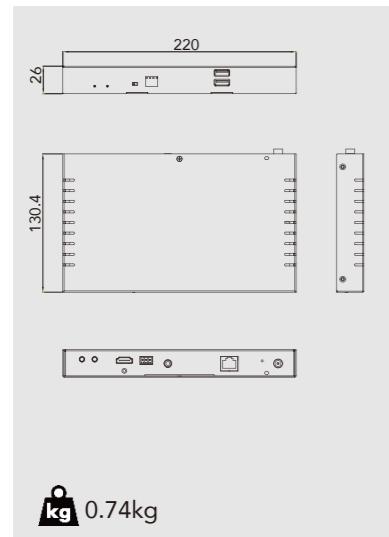
MSP 303 | MSP 304



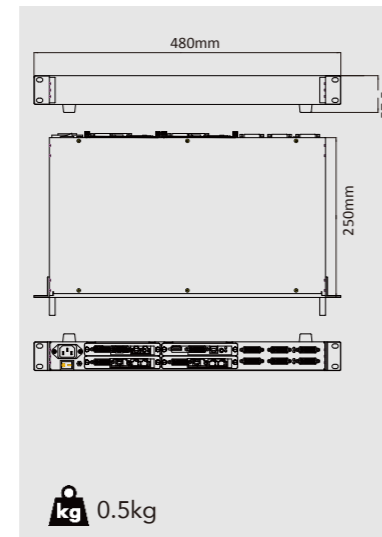
MSP 318



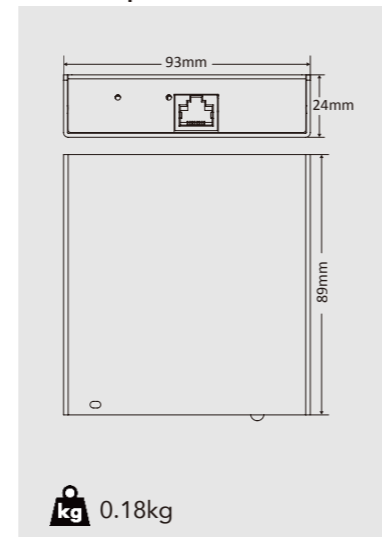
MSP 329



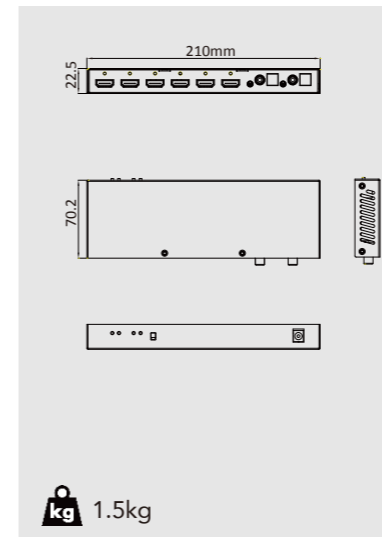
MSP 415



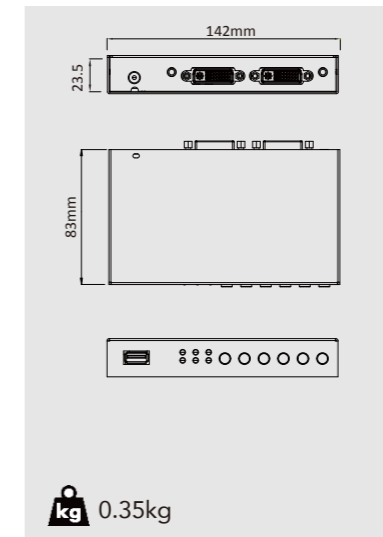
MSP 215 | MSP 214
MSP 209 | MSP 217



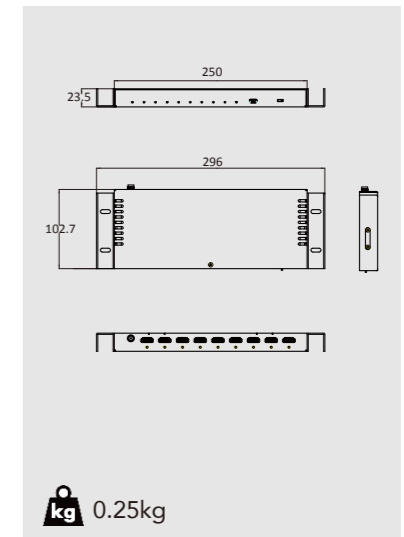
MSP 422



MSP 227



DXP H0108



STREAMING

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- ASK Series Collaboration Solutions

PRO AV

- D Series Digital Processors
- X Series Universal Processors
- M Series Mixing & Scaling
- FLEX Series Mixed Signal Matrix
- Q Series Multi-signal Matrix
- 1 Series Switcher/Scalers
- T Series Control Consoles
- Subito Series LED Control Solutions
- RMS Series Monitoring Solutions
- MSP Series Video Tools/Extenders/Signal Converters/Signal Distributors

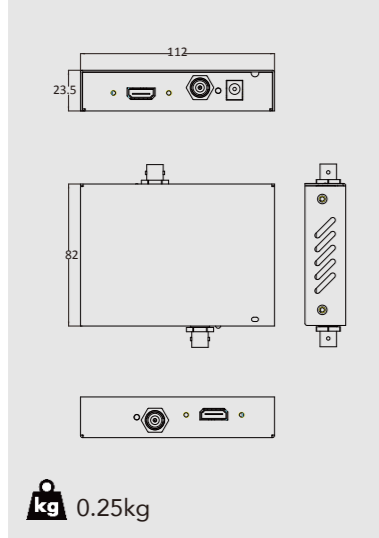
Accessories

Software

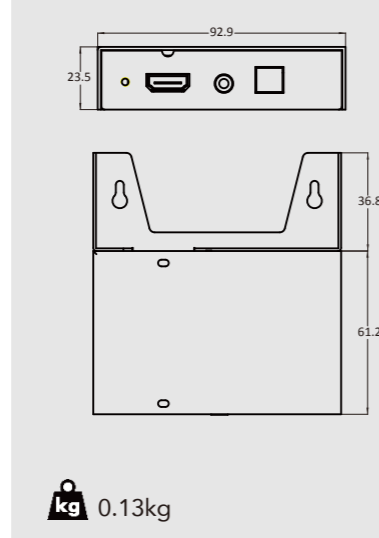
Reference

Contact

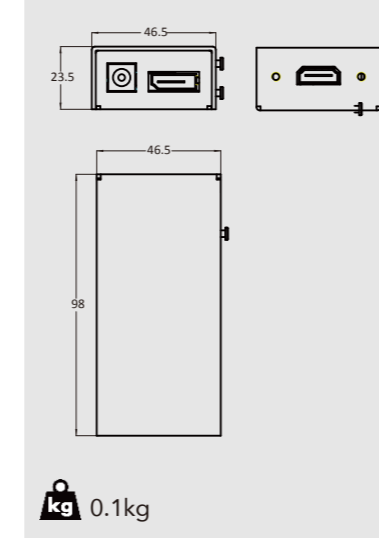
MSP 305



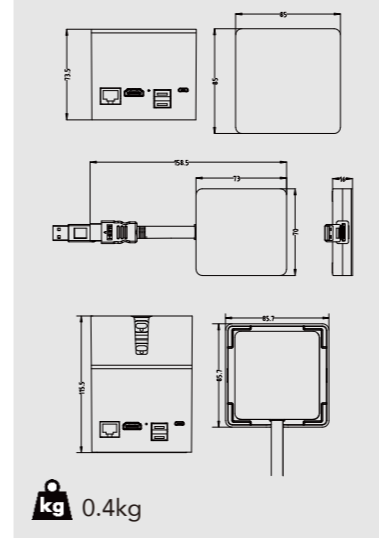
MSP 311



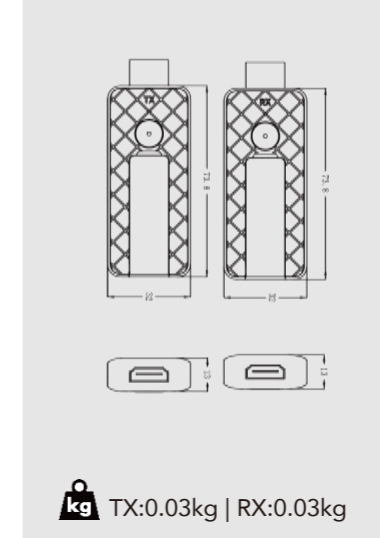
MSP 312



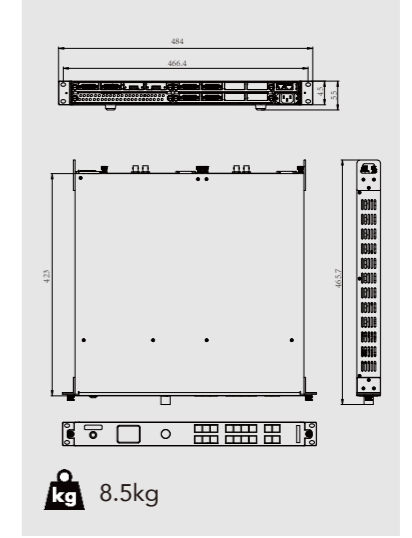
ASK Pro



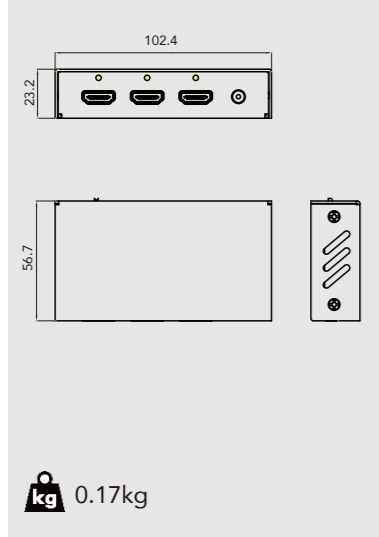
ASK nano



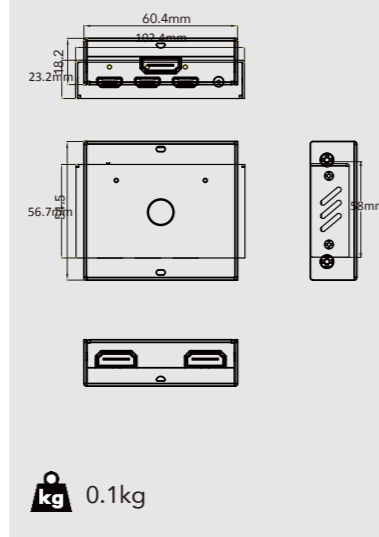
Q4L



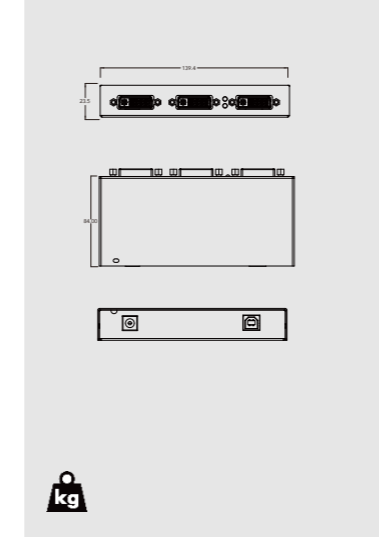
MSP 316H



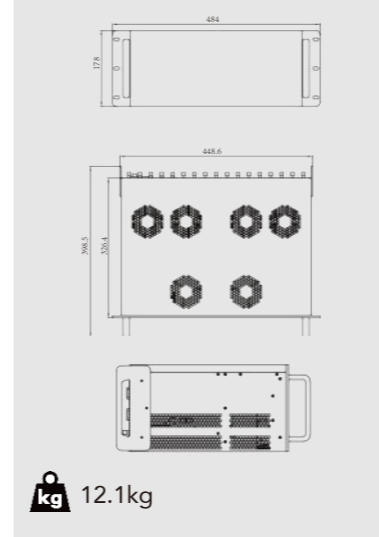
MSP 316D



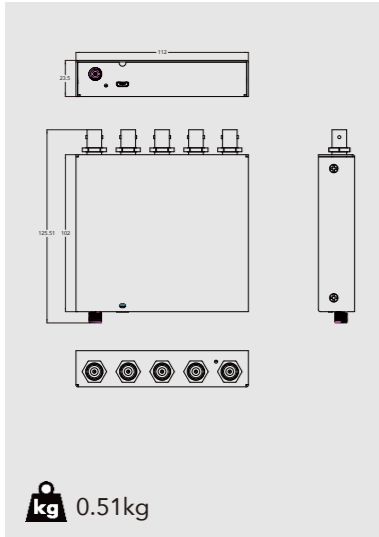
MSP 216



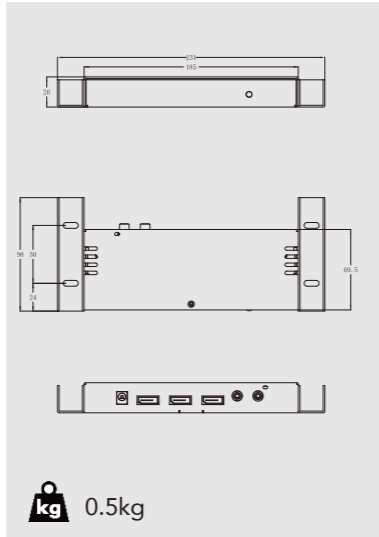
Q16



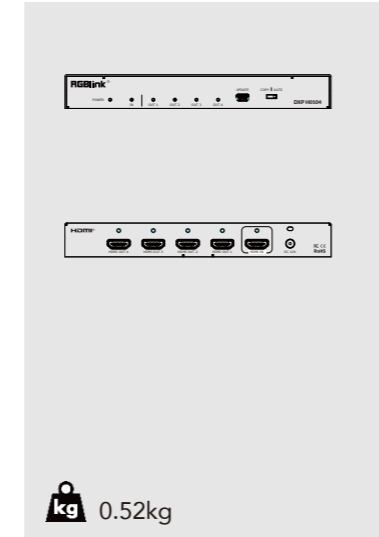
MSP 319



DXP DP0102



DXP H0104



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 - Accessories
 - Software
 - Reference
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Collaboration Solutions

Product code	tem	Description
450-1002-01-1	ASK nano Starter	1×nano RX + 1×nano TX

All-In One Scaling & Maxing

Product code	tem	Description
310-0003-31-1	M3	Presentation Processor and Vision Mixer
210-3072-12-0	M2	Scaler & Vision Mixer
220-0001-01-0	M1	Scaler & Vision Mixer with EXT4
230-0001-03-0	mini	2K 4×1 HDMI mini switcher support audio input and output USB3.0 streaming output 6-picture preview
230-0003-02-0	mini-pro	2K 4×1 HDMI mini switcher support audio input and output USB3.0 streaming output 6-picture preview HDMI 2.0 in Broadcast style TBAR

Universal Processors

Product code	tem	Description
310-0020-01-0	X20	96x144 Universal Processor
310-0014-01-0	X14	56x40 Universal Processor
310-0008-01-0	X8	24x12 4K Universal Processor
310-0007-00-0	X7	32×32 Universal Processor
310-0003-10-0	X3	16×8 Universal Processor

Presentation Processors

Product code	tem	Description
120-0004-01-0	D4	4K Dual Channel Presentation Processor With HDMI 2.0 and Comm Output Module Other inputs and outputs are optional
130-0008-01-0	D8	8K splicer, 1ch HDMI 2.1 input interface, 4ch HDMI 2.0 output, support 8K4K@60 signal input, 4ch 4K output resolution can be set, support LCD preview.
100-0628-03-0	D2	2k Dual Channel Professional Presentation Switcher

Switcher/Scalers

Product code	tem	Description
820-1004-04-0	X1Gpro	Video processor, with V2 front panel, without SDI input and S4 sending card

Media Solutions

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

Remote Control Consoles

Product Code	Item	Description
250-0001-01-0	T1	Control Console for universal processors

Preview Monitors

Product Code	Item	Description
400-8424-01-0	RMS8424	Dual LCD Monitors with CVBS/DVI/VGA/HDM
410-8424-01-0	RMS1A	Single 8.4in Display block with DVI-I Input DVI/VGA/HDMI and USB input
400-1516-01-0	RMS1516	Single 15 inch display with 1 HDMI 2.0 input, 3 HDMI 1.3 inputs, 1 3G/HD/SD SDI input, 1 DVI input, 1 VGA input

Videowall Control

Product Code	Item	Description
790-1001-28-0	FLEXpro 8	16x8 Universal Processor with single Power Supply fitted Input & Output modules sold separately.
700-0001-01-0	FLEX RS1	Rotation/Blending/Splicing Processor with 4K input & 4x2K DVI Outputs
710-0016-00-0	FLEX 16	16x16 Matrix Processor EXT sold separately Input & Output modules sold separately
710-0004-02-0	FLEX4ml	with a 4K2K@60 input module, and 4 DVI output modules and 2 EXT output modules as standard, other modules are optional

Hyper Multiwindow Video Wall Processor

Product Code	Item	Description
711-0016-00-0	Q16 4U Universal Processor	Max 16x16 Universal Processor with Power Supply fitted Input & Output modules sold separately. 4 Unit size. Max support 8 input modules and 8 output modules

STREAMING

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- Software
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Matrix

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

Mini (MSP) Series-Testing Tools & Convertors

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

Mini (MSP) Series-Distributors

Product Code	Item	Description
620-0216-01-0	MSP216	1 DVI In/2 DVI Out Distributor
621-0219-04-0	MSP319	1 SDI In/4 SDI Out Distributor
920-0005-01-0	MSP Garage with PSU	Rack frame for MSP products with integrated power management
621-0316-02-0	MSP316	1 HDMI2.0 In/2 HDMI2.0 Out Splitter or 2 HDMI 2.0 In/1 HDMI 2.0 Out
621-0316-01-0	MSP316H	HDMI 2.0 1x2 Splitter

Mini (MSP) Series-Extenders

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

LED Control Solutions

Product Code	Item	Description
820-1004-02-0	GX4	Scaler & Switcher with RGBlink Subito build in
820-2004-01-0	Subito sender box	Integrated Subito Quatro Sender/Controller with USB and HDMI inputs
790-1001-28-0	Subito sender card	LED Control Module for Processors /Gigabit 4xRJ45 port sender card
850-2001-01-0	Subito Receiver Card-Apollo 2001	Four 26-core bovine needle output, reverse welding
850-2002-01-0	Subito Receiver Card-Apollo 2002	Four 26-core bar outputs, reverse welding
850-2100-01-0	Subito Receiver Card-Aries 2100	Two 60-core bovine needle output, reverse weld
850-1200-01-0	Subito Receiver Card-Eos 1200	Two 50 core standard interfaces
850-1000-01-0	Subito Receiver Card-Eos 1000	12 HUB75 interface general receiver card
850-1100-01-0	Subito Receiver Card-Eos 1100	16 HUB75 interface conventional receiver card
850-3000-01-0	Subito Receiver Card-Leo 3000	Double 120 core high density interface receiver card
850-2000-01-0	Subito Receiver Card-Apollo 2000	Four 26-core bovine needle output, front weldingNOVAStar: MRV210/ MRV410 Colorlight:i5A-907 Linsn: RV907H/ RV927H/ RV937H

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FLEX Series
Mixed Signal Matrix

Q Series
Multi-signal Matrix

1 Series
Switcher/Scalers

T Series
Control Consoles

Subito Series
LED Control Solutions

RMS Series
Monitoring Solutions

MSP Series
Video Tools/Extender
Signal Convertor
Signal Distributors

Accessories

Software

Reference

Contact

Flightcases

Product Code	Item	Description
900-0001-01-0	1RU	1U 19in Rack Sleeve 490mm
900-0001-02-0	1RU	1U 19in Rack Sleeve 590mm
900-0002-01-0	2RU	2U 19in Rack Sleeve 490mm
900-0002-02-0	2RU	2U 19in Rack Sleeve 590mm
900-0006-01-0	6RU	6U 19in Rack Sleeve
900-0008-01-0	8RU	8U 19in Rack Sleeve
900-0012-01-0	12RU	12U 19in Rack Sleeve
900-1001-01-0	168RU1	1U for 2 units VSP168
900-1002-01-0	168RU2	2U for 4 units VSP168
911-0100-01-0	Cable Reel	for Fiber Optical Cable length max 150 meters
911-0150-01-0	Cable Reel	for Fiber Optical Cable length max 250 meters
911-0250-01-0	Cable Reel	for Fiber Optical Cable length max 400 meters

Cables

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

Product Code	Item	Description
924-0015-01-0	DP-DP Cable	with protection caps,1920*1080 @60 15meters
925-0002-01-0	DP-DVI Cable	with protection caps,3840 x 2160@30 2 meters
925-0005-01-0	DP-DVI Cable	with protection caps,3840 x 2160@30 5 meters
926-0002-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 2 meters
926-0003-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 3 meters
926-0005-01-0	Mini DP-DP Cable	with protection caps,3840 x 2160@60, 5 meters
927-0002-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@60 2 meters
927-0003-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@60 3meters
927-0005-01-0	Mini DP-DVI Cable	with protection caps,3840 x 2160@30 5 meters
928-0002-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 2 meters
928-0003-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 3 meters
928-0005-01-0	Mini DP-HDMI Cable	with locking HDMI and protection caps,3840 x 2160@60, 5 meters
931-0100-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 100m
931-0150-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 150m
931-0200-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 200m
931-0250-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 250m
931-0300-01-0	Fiber - Single Mode	with protection caps, 2 cores inside, LC to LC connector, 300m
932-0100-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 100m
932-0150-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 150m
932-0200-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 200m
932-0250-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 250m
932-0300-01-0	Fiber - Multi Mode	with protection caps, 2 cores inside, LC to LC connector, 300m
931-0300-04-1	Fiber - Multi Mode	with protection caps, 4cores inside, LC to LC connector, 300m
931-0300-06-1	Fiber - Single Mode	with armour protection caps, 6cores inside, LC to LC connector, 300m

MSP Series-Distributors

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

STREAMING

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RMS Series Monitoring Solutions
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