Universal Routing and Scaling

RGBlink®
Modular Video Wall Control

Beautifully designed and compact, X2 is ideal for fixed pro AV and integration applications. Universal routing and scaling built on innovative RGBlink technologies, X2 has a fully modular input and output structure supporting up to 16x16 inputs and outputs, allowing the processor to be configured to specific applications with low overhead.

Control and configuration is achieved via a ethernet interface in conjunction with XPOSE®, XPOSE mobile or RGBlink OpenAPI. Configure X2 for routing and matrix operations or for video wall applications, including spliced displays with bezel offset support.

A dedicated preview output is available while source IP streaming extends monitoring to XPOSE and other IP clients. Genlock and Digital Reference together with LayerLink™ and uLink allows multiple devices to operate together as one system.

Designed for high-availability requirements, X2 supports hot-swap / redundant power supply and includes multiple configurable failover and backup features ideal for control room and other integration applications.

- Fully modular design
- Wide range of input signal options
- 33 mega pixel capacity
- Multi-mode operations
- Source streaming previews over IP
- Output rotation in 90 degree increments
- OSD
- Genlock In & Digital Reference support
- Support for redundant power supply
- Store and recall presets on board
- Save settings and presets offline
Videowall Mode

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

*Product shown with optional modules fitted. Refer to specifications and manuals.*
Preview Mode
The outputs are split with half of the outputs being Preview (PST) while the other half are for Program (PST) output. Seamlessly switch from PST to PGM.

3D Mode
Common 3D signals may be utilised and scaled for output up to 8K x 2K.

Matrix Mode
Use X2 as a multi-signal / mixed signal matrix for cross-conversion and distribution of input signals to one or more outputs.
Configure, Control, Integrate
Use RGBlink XPOSE to fully configure X2 while maintaining all settings and presets on board the X2 hardware-based processing platform. Control and integrate using XPOSE or RGBlink OpenAPI.

Synchronise
X2 includes both Genlock and HDMI Digital Reference inputs, allowing a variety of synchronisation scenarios. Additionally RGBlink uLink is built in support of multi-device cascade.

Modular by Design
Designed with the integrator in mind, all X2 inputs and outputs are modular and hot swappable. Arranged in slots, each slot supports up to four 2K inputs, with a wide range of signal options available allowing native connections minimising the need for convertors or adapters.

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

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

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

Store Settings
All settings including presets are stored on board, these configuration files may also be download and stored of line.

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

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

HDBaseT Direct Connect
The range of X2 output modules includes HDBaseT allowing both direct connection to displays supporting this standard and supporting HDMI signals extended up to 100 metres.
## Specifications

### Input
- 4 slots, up to 16 inputs
  - Select from:
    - HDMI2K Module
    - 4 x HDMI A
    - VGA Module
    - 3 x DVI
    - 3G SDI Module
    - 4 x BNC
    - H.264 Input Module
    - 4 x RJ45
    - USB Module
    - 4 x USB
    - HDBaseT Module
    - 4 x RJ45
    - CVBS Module
    - 4 x BNC
    - 4K@30 Digital Module
    - 1 x HDMI-A+B LOOP
    - 1 x DisplayPort+LOOP

### Connectors
- 4 slots, up to 16 outputs
  - Select from:
    - HDMI2K Module
    - 2 x HDMI-A
    - 4 x BNC
    - 2 x RJ45
    - H.264 Module
    - 2 x RJ45

### PWK
- Communication
  - ULink 4 Out
  - 2 x 3.5mm Jack
  - LAN
  - 1 x RJ45
  - Gigabit/Sync
  - 1 x BNC
  - 1 x HDMI-A

### Power
- 2 slot
- 2 x IEC

### Input Resolutions
- SMPTE 480i [576i] 720p [576i] 1080i [576i] 1080p [576i]
- 1080p@23.976 [25/29.97/30] 50/59.94 [50/59.94]
- SMPTE 480i [576i] 720p [576i] 1080i [576i] 1080p [576i]
- 50/59.94

### Performance
- VESA 800x600 [640] 1024x768 [800] 1280x720 [800]
- 1280x1024 [800] 1600x1200 [800]
- 2048x1152 [800]
- H.264
- 2560x1600

### Output Resolutions
- Select from below or configure customized
- SDI
- SMPTE 480i [576i] 720p [576i] 1080i [576i] 1080p [576i]
- SMPTE 480i [576i] 720p [576i] 1080i [576i] 1080p [576i]
- 1080p@23.976 [25/29.97/30] 50/59.94

### Features
- Max Numbers of Layers: 16
- Sampling: 4k2k
- Remote Control: XPOS/Windows/MacOS
- OpenAPI/T Series Console

### Power
- Input Voltage: 100V-240V 50/60 Hz auto adjusting
- Max Power: 200W

### Environment
- Temperature: 0°C to 40°C
- Humidity: 10% ~ 85%

### Physical
- Weight: 12kg
- Dimensions: 484mm x 413mm x 91mm
- Net Weight: 18kg
- Dimensions: 630mm x 595mm x 255mm

### Order Codes

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*Refer to specifications for module options*