FLEXpro^8
multi-layer video wall processor

Powerful and flexible video wall processing solution

RGBlink®
FLEXpro\textsuperscript{8}

**Next generation flexible solution for sophisticated video applications**

FLEXpro\textsuperscript{8} is an all new video processing solution for modern large scale display applications. With support for over 18 mega pixels across eight outputs, FLEXpro\textsuperscript{8} 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 FLEXpro\textsuperscript{8} has the multi-signal, multi-layer technology for virtually any display application.

**Modular Design**

FLEXpro\textsuperscript{8} has 4 input slots which may be configured with up to 16 universal single modules or 8 dual height modules. Input support incudes 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 Subtio Quatro signals.

**HDR Support**

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

**Multi-Mode Operations**

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

![Multi-Mode Operations Diagram](image)

**Full Color Space**

Video scaling and conversion takes advantage of the RGBlink full 4:4:4 in hardware processing engine for the maximum visual performance.
18 Mega Pixel Capacity
Arrange outputs on a virtual canvas to create display surfaces up to 8192x2304px at high 60Hz digital refresh.

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

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

Dedicated Multi-View Preview
A built-in preview feature allows local and remote preview video sources. Connect display to HDMI PVM 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.

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.

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.

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

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

Front LCD Monitoring
The integral LCD provides local monitoring and status of FLEXpro8.
**LED Control System**

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

**Display System Management**

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

*Rotation and projection blending require RGBlink ARO module(s)*
**Video Wall Processor**

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

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

Example: 5 independent sources displays as PIPs within each display, with a background image. Preview the connected sources via dedicated HDMI.

**Remote control**

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

## Connectors

<table>
<thead>
<tr>
<th>Input</th>
<th>2 slots, up to 16 Single height inputs or 8 double height inputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard with</td>
<td>4K HDMI&lt;br&gt;2K HDMI&lt;br&gt;8×HDMI-A (4 In</td>
</tr>
<tr>
<td>Optional select from</td>
<td>HDMI 1.3 Module&lt;br&gt;4K HDMI Module&lt;br&gt;4×HDMI-A (1×4K2K or 2×4K1K or 4×2K1K)&lt;br&gt;2K HDMI Module&lt;br&gt;2×HDMI-A (1 In</td>
</tr>
<tr>
<td>Output</td>
<td>2 slots, up to 8 double height Standard with DVI 8×DVI-I (DVI only)</td>
</tr>
<tr>
<td>Optional select from</td>
<td>3G SDI Module&lt;br&gt;2×8NC&lt;br&gt;HDMI Module&lt;br&gt;1×HDMI-A&lt;br&gt;S-DVI Module&lt;br&gt;1×DVI-I&lt;br&gt;HDBaseT Module&lt;br&gt;1×RJ45&lt;br&gt;Quattro Module&lt;br&gt;4×RJ45</td>
</tr>
<tr>
<td>PVW</td>
<td>LAN&lt;br&gt;RS 232&lt;br&gt;Genlock In/Loop</td>
</tr>
<tr>
<td>Communication</td>
<td>1×RJ45</td>
</tr>
<tr>
<td>Power</td>
<td>1×EC</td>
</tr>
</tbody>
</table>

## Performance

### Input Resolutions
- **SDI**
  - SMPTE 480i [576i | 720p@50/60 | 1080p@59.94/60 | 1080p@50/59.94/60
- **DVI | HDBaseT**
  - SMPTE 480i [576i | 720p@50/59.94/60 | 1080p@50/59.94/60 | 1080p@50/59.94/60
  - VESA 800x600@60 | 1024x768@60 | 1280x768@60 | 1280x1024@60 | 1600x1200@60 | 1920x1080@60 | 1920x1200@60 | 2048x1152@60
- **HDMI**
  - SMPTE 480i [576i | 720p@50/59.94/60 | 1080p@50/59.94/60 | 1080p@50/59.94/60 | 2160p@50/60
  - VESA 800x600@60 | 1024x768@60 | 1280x1024@60 | 1440x900@60 | 1600x1200@60 | 1920x1080@60 | 3840x2160@60 | 4096x2160@60
- **DP**
  - VESA 800x600@60 | 1024x768@60 | 1280x1024@60 | 1440x900@60 | 1600x1200@60 | 1920x1080@60

### Output Resolutions
- **SDI**
  - SMPTE 720p@50/59.94/60 | 1080p@50/59.94/60
- **DVI | HDBaseT | HDMI**
  - SMPTE 720p@50/59.94/60 | 1080p@50/59.94/60
  - VESA 800x600@60 | 1024x768@60 | 1280x720@50/59.94/60 | 1280x800@60 | 1280x960@60 | 1280x1024@60 | 1440x1050@60 | 1600x1200@60 | 1920x1080@60
- **DP**
  - VESA 800x600@60 | 1024x768@60 | 1280x1024@60 | 1440x900@60 | 1600x1200@60 | 1920x1080@60

### Supported Standards
- **SDI**
  - SMPTE 425M (Level A & B) | SMPTE 292M | SMPTE 259M-C | DVI-ASI
- **HDMI**
  - 2.0
- **DVI**
  - 1.0
- **DisplayPort**
  - 1.1
- **HDBaseT**
  - 1.0

### Grey Level
- 12 bit

### Color Space
- 4:4:4

### Power
- **Input Voltage**
  - AC 100V-240V, 50/60Hz
- **Max Power**
  - 400W

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

### Physical
- **Weight**
  - Net (Device) 12.3kg
  - Package 20.4kg
- **Dimension**
  - Net (Device) 485mm x 387mm x 135mm
  - Package 635mm x 545mm x 275mm

## Order Codes

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
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<tbody>
<tr>
<td>710-1008-02-0</td>
<td>FLEXpro 8</td>
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*Refer to specifications for module options*