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

Digital Design

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

HDR Support

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

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

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

Split/Videowall Mode

Create large scale video walls with 4K signals split and spliced up to 16K. Fit D6 with four 4K output modules.

4K HDMI as 8K1K background display. Other sources utilised as auxiliary (AUX) displays for relay or iMag.

Example: Four 4K sources distributed evenly across 16K output.

Example: Four 4K sources scaled across 16K output canvas.

Example: Two 4K signals each as 4K1K background video display with foreground layers as layers/PIPs. Layers switched seamlessly, AUX relay outputs.

Example: 4K background video display. Foreground layers (as 2 layers bridging 1K vertical) switched seamlessly with fade-out-fade-in switching. AUX relay outputs.

Example: Four 4K sources embedded evenly across 16K output.

Example: Four 4K sources embedded across 16K output canvas.
Multi Layer Switching & Scaling
At the heart of presentation switching is true seamless switching of mixed signal types and resolutions. D6 scales and synchronizes all video sources for output, and for switching operations seamlessly switches between present and program. RGBlink pixel-to-pixel scaling engine presents pixel perfect video to non-native or creative displays as well providing the true PIP/Payer window capabilities.

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

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

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

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

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

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

4K end-to-end presentation processing and scaling for high performance video.

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