Modern presentations demand 4K at refresh rates supporting digital media. D6 builds on the tradition of its broadcast quality predecessors and RGBlink innovations while adding new and enhanced features. RGBlink modular slots are utilised throughout for the ultimate in flexibility and configurability, with each slot supporting 4K 60fps and signal options including HDMI, DisplayPort and 12G-SDI as well as conventional 2K signal options.

D6 has RGBlink XPOSE built right in for interactive and visual configuration in conjunction with the large integrated LCD display. Preview not only directly on board, but also from the dedicated PVW multi-view output.

**Modular Design**
D6 has four input and four output slots with each slot supporting up to 4K60. A wide range of options are available including a digital input module with HDMI 2.0 and DisplayPort 1.2, a 12G-SDI module that supports multiple 3G-SDI inputs too.

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

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

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

**4K2K Preview/Switcher Mode**
Seamless switcher mode with alpha cross fade between presets. Support for scaled background and up to four foreground layers (two layers per 4K1K pixel space)

**4K2K Presentation Mode**
Video scaling and conversion takes advantage of the RGBlink full 4:4:4 in hardware processing engine for the maximum visual performance.

**8K1K Presentation Mode**
Configures a 4K output module as 8K1K with each of the two outputs on the module each at 4K1K. Utilise a 8K background with up to eight foreground scaled layer/window does with layer modules fitted. Switch between presets with fade-in-fade out of foreground layers.

**Split/Videowall Mode**
Create large scale video walls with 4K signals split and output up to 16x6. FY 6x6 with four 4K output modules

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* D6 shown with optional modules fitted as example configuration. Refer to Specifications and Guide
**Multi Layer Switching & Scaling**

At the heart of presentation switching is true seamless switching of mixed signal types and resolutions. RGBlink and synchronizes all video sources for output, and for switching operations seamlessly switches between program and preview. "RGBlink pixel-to-pixel scaling engine presents pixel perfect video to non-native or creative displays as well providing the true PIP/layer 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 utilised offering a canvas for fade-in/fade-out to occur against for maximum effect.

**Gerikey**

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

**Dedicated Multi View Preview**

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

**Connect and Control**

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

**4K HDMI 2.0 Module**

Supports 4K HDMI, 2K HDMI, and HDMI as input. Dual Link 1.4a and 2.0 outputs can be used to control and switch between different displays. "RGBlink pixel-to-pixel scaling engine presents pixel perfect video to non-native or creative displays as well providing the true PIP/layer window capabilities.

**Chroma Key/DSK**

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

**Image Enhancement**

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

**Low Latency**

Full hardware-based video processing offers industry leading low cost latency across the processor.

**Control Local and Remote**

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

**Input Connections**

- **RGB**
  - 480i (60 Hz)
  - 576i (50 Hz)
- **YUV**
  - 480i (60 Hz)
  - 576i (50 Hz)
- **Y/C**
  - 480i (60 Hz)
  - 576i (50 Hz)
- **RGB 480i**
  - 60 Hz
- **RGB 576i**
  - 50 Hz
- **RGB 480p**
  - 60 Hz
- **RGB 576p**
  - 50 Hz
- **RGB 720p**
  - 60 Hz
- **RGB 1080i**
  - 50 Hz
- **RGB 1080p**
  - 60 Hz
- **RGB 1080p 24**
- **RGB 1080p 24**
- **RGB 1080p 60**
- **RGB 1440p 24**

**Specifications**

- **Channels:** RGB, YUV, Y/C, RGB 480i, RGB 576i, RGB 480p, RGB 576p, RGB 720p, RGB 1080i, RGB 1080p, RGB 1080p 24, RGB 1080p 24, RGB 1080p 60, RGB 1440p 24
- **Input Resolutions:** Various
- **Output Resolutions:** Various
- **Standards:** Various
- **Input Color Space:** Various
- **Max Power:** Various
- **Temperature:** 0°C – 40°C
- **Humidity:** Various
- **Packaged Dimension:** Various

**Order codes**

- 950-0005-00-0 HDMI 2.0 4K Output Module
- 190-1628-07-0 HDMI 20 4K Output Module
- 190-1628-23-0 HDMI 2K Output Module
- 190-1628-31-0 HDMI 50 4K Output Module
- 190-1628-50-0 HDMI 60 4K Output Module