

## BlendPRO-II™



## Widescreen Image Processor for ScreenPRO-II

### Features

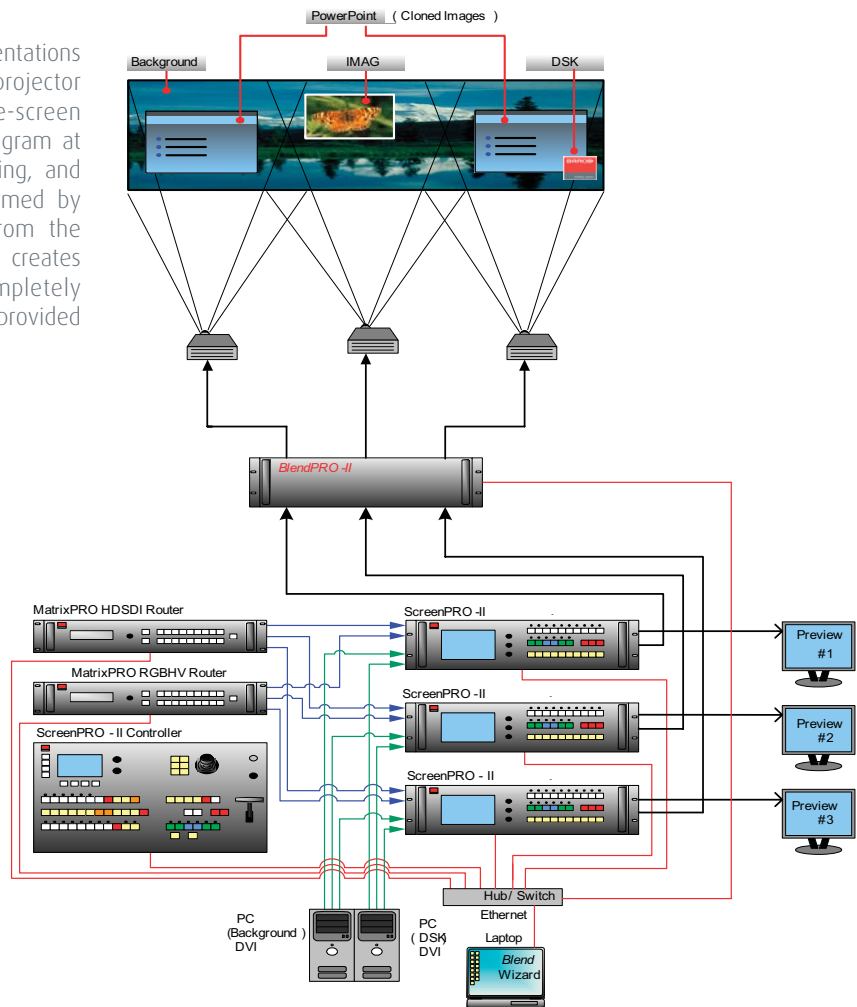
- Supports up to 4 projectors (Digital DVI and Analog)
- Four Digital DVI Video inputs from ScreenPRO-II Program Outputs
- Performs all necessary data doubling and edge-feathering functions to significantly simplify wide-screen presentations
- Test Patterns for projector alignment
- User-programmable overlap region and edge-feathering parameters
- BlendWizard software for easy show set-up
- 24-hour technical support
- Backed by a full 3-year parts and labor warranty

BlendPRO-II adds widescreen blending capability to the ScreenPRO-II family. BlendPRO-II accepts DVI signals from up to four ScreenPRO-II seamless switchers and processes them for display in multi-projector blended wide-screen format. Processing includes data doubling to generate overlapped projected regions as well as edge-feathering of the overlapped images. The amount of data overlap and the edge-feather transfer function are user-programmable.

The complete widescreen system consists of the BlendPRO-II, up to four ScreenPRO-II seamless switchers, and the ScreenPRO-II controller. ScreenPRO-II accepts up to eight (8) universal analog inputs and two DVI signals that can be utilized as unscaled background sources or DSK (Down-Stream-Key). ScreenPRO-II HD also accepts HDSI signals for scaling. A MatrixPRO router connected in front of the ScreenPRO-II increases the input source capability of the system to 16.

# Applications

BlendPRO-II allows easy transition from presentations involving independent screens to multiple projector wide-screen presentations. A typical wide-screen application is illustrated in the connectivity diagram at right. Input source selection, seamless switching, and image processing control functions are performed by the three ScreenPRO-II units. The outputs from the ScreenPRO-IIs are fed to a BlendPRO-II which creates data overlap and edge feathering completely transparent to the operator. Test patterns are provided to support projector alignment.



# Specifications

INPUT VIDEO	
Input Types:	·Four (4) Digital DVI channels per DDWG 1.0 on DVI-I connector
Resolution:	·VGA up to UXGA @60 Hz (including all progressive HD resolutions and 1920x1200 and 2048x1080)
VIDEO OUTPUT	
	· Four (4) high resolution channels Digital DVI channels per DDWG 1.0 on DVI-I connectors and Analog RGBHV on HD-15 connectors
USER CONTROL	
	·Controlled from ScreenPRO-II controller via Ethernet
Physical	2 RU Rackmount Chassis
Input Power	100-240 VAC, 50-60 Hz, 175 W max.
Environmental	Temperature: 0-40 degrees C; Humidity: 0-95% non-condensing

Preliminary  
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