

BlendPRO™



Wide-screen image processor

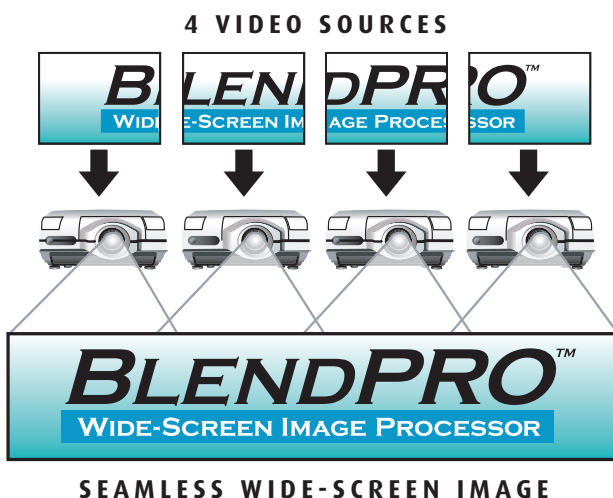
BlendPRO™ accepts RGB video from up to 4 high-resolution video sources and processes the video for display in multi-projector wide-screen format. Processing includes data doubling to generate overlapped projected regions as well as edge-feathering of the overlapped images. The amount of data overlap and the edge-feather transfer function are user-programmable. BlendPRO™ allows standard high-resolution images generated with Powerpoint™ or Macromedia Director™ to be displayed in a multi-projector wide-screen format. Standard multi-head graphics cards can be utilized for output. The product completely eliminates the need to pre-condition source material during the content creation phase. BlendPRO™ is compatible with all Folsom Research seamless switcher/scaler products, including ScreenPRO™, ScreenPRO™ PLUS, VFC-2200, VFC-2200DE and controllers manufactured by Folsom Research.

BARGO

Visibly yours

Typical operation

BlendPRO™ allows you to easily transition from presentations involving independent screens to those where multiple projectors are used to create seamless wide-screen presentations. A typical wide-screen application is illustrated in the BlendPRO™ Connectivity Diagram. Input source selection, seamless switching, image processing and operator control functions are performed by a Multi-Screen Presentation System such as ScreenPRO™ PLUS. The outputs from the ScreenPRO™ PLUS system are edge-feathered images that drive multiple projectors. BlendPRO™ makes data overlap and edge-feathering functions completely transparent to the operator. Test patterns are provided to support projector alignment. BlendPRO™ simplifies the entire process of preparing for a wide-screen event including content generation, set-up, and real-time control.



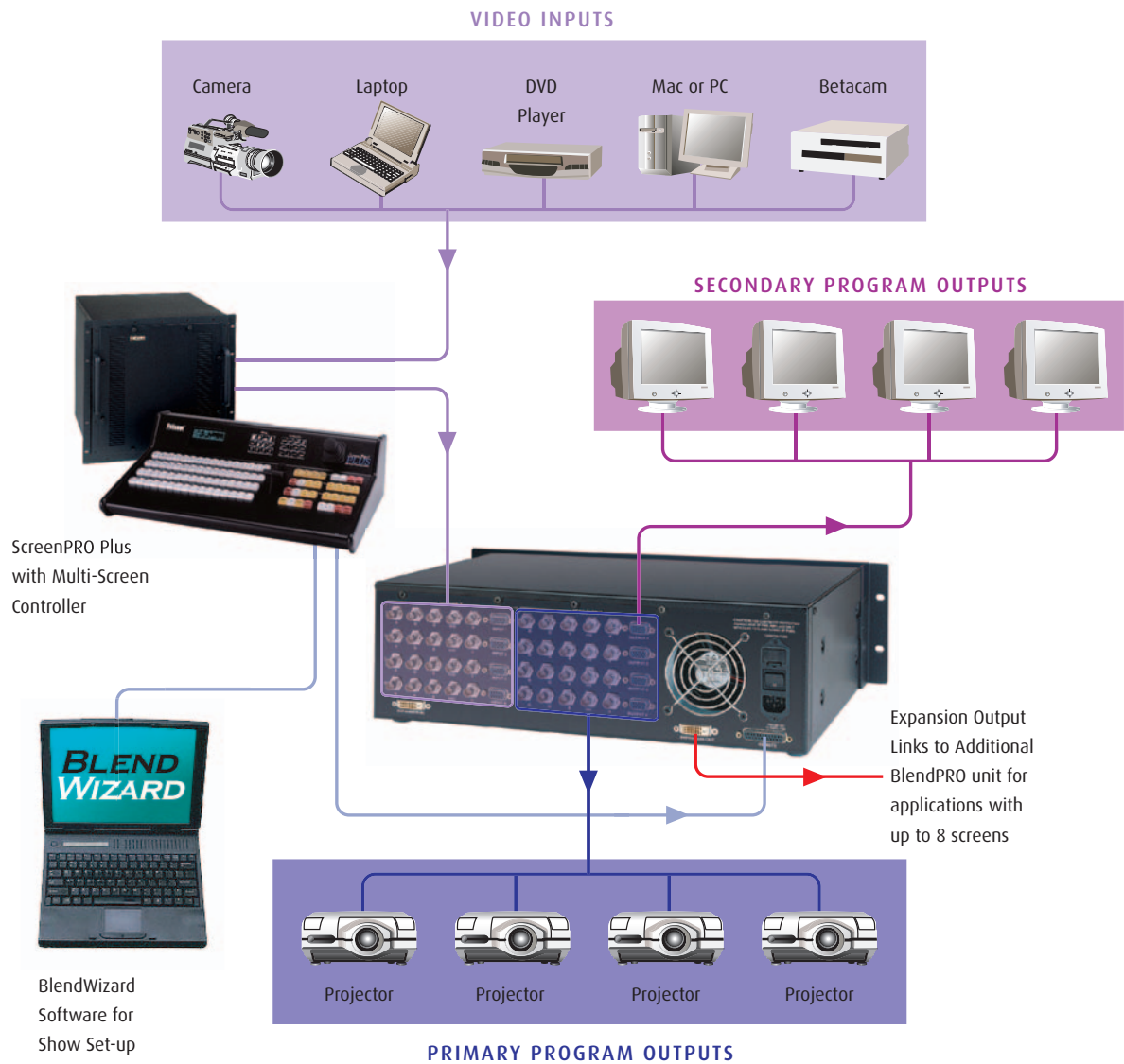
Features

- Supports up to 4 projectors. Larger configurations are supported by linking multiple units.
- Four Analog Video inputs with Loop Through
- Performs all necessary data doubling and edge-feathering functions to significantly simplify wide-screen presentations
- Standard content generation tools such as Microsoft Powerpoint™ and Macromedia Director™ can be used
- User-programmable overlap region and edge-feathering transfer functions
- Compatible with Folsom Multi-Screen Seamless Switchers (VFC-2200, VFC-2200DE, ScreenPRO PLUS, ScreenPRO, and controllers)
- BlendWizard software for show set-up
- Free 24-hour technical support
- Backed by a full 3-year parts and labor warranty

BlendPRO™ Rear Panel



BlendPRO™ connectivity diagram



BlendPRO specifications

VIDEO INPUT	
Analog Video (4 channels)	<i>Video:</i> Analog RGB Video with Loop Through
	<i>Resolution:</i> VGA to SXGA @72 Hz Vertical Scan Rate
	<i>Input Sync Signals:</i> Sync-on-Green, Composite Sync, Separate H/V Sync
	<i>Connectors:</i> One 5-wire BNC and One HD-15 Connector for each channel (one for input, one for loop-through)
Expansion In	<i>Termination:</i> User-programmable Termination, 75 ohm/Hi-Z
	<i>Digital Expansion Link Input:</i> When connected to the Expansion Out connector on a second BlendPRO, the total number of channels in a system can be expanded to 8.
Connector: DVI-D	
VIDEO OUTPUT	
Analog Video (4 channels)	<i>Video:</i> Two independently buffered RGB Outputs per channel.
	<i>Resolution:</i> Matched to Input Video Resolution and Timing
	<i>Output Sync Type:</i> Sync-on-Green, Composite Sync, Separate H/V Sync
	<i>Connectors:</i> One 5-wire BNC and One HD-15 Connector per Channel
Expansion Out	<i>Digital Expansion Link Output:</i> When connected to the Expansion In connector on a second BlendPRO, the total number of channels in a system can be expanded to 8.
	Connector: DVI-D
USER CONTROL	
Local	User-friendly front panel interface
Remote	Configurable RS-232/485 Port supports control from a Folsom Multi-Screen Controller
	<p><i>When used with Folsom Research seamless switchers and controllers, such as the ScreenPRO PLUS system, user-programmable features include:</i></p> <ul style="list-style-type: none"> • Projected image overlap region width • Edge-feathering transfer function • Individually Programmable Input Gain and Level • Output Offset and Gain Adjustments • Frame Synchronization Enable/Disable • Test Patterns for Projector Set-Up
OTHER	
Physical	<i>Height:</i> 5.25" (13.3 cm); <i>Width:</i> 17" (43.2 cm) or 19" (48.3 cm) with rear rack-mount option; <i>Depth:</i> 13" (33 cm); <i>Weight:</i> 22 lbs (10 kg); <i>Shipping Weight:</i> 30 lbs (13.6 kg)
Input Power	47-250 VAC, 50-60 Hz, 175 W max.
Environmental	<i>Temperature:</i> 0-40 degrees C; <i>Humidity:</i> 0-95% noncondensing
Warranty	All video products are designed and tested to the highest quality standards and are backed by a full three-year parts and labor warranty.