

Folsom
RESEARCH

Screen **PRO**TM
PLUS
Multi-Screen Presentation Switcher



1600 Series
Modular Solutions For Up To 6 Screens

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control up to **SIX** screens

System Description

ScreenPro™ Plus is a fully integrated presentation system that simplifies system interconnections, setup and control while supporting advanced features for presentations with up to six screens. The multi-screen presentation system includes an intuitive user interface and a modular internal design.

The operator can select from up to sixteen source videos. Universal inputs accept composite video, s-video, component video, and computer video sources (640x480 VGA to 1600x1200 UXGA). Sources are scaled to match the native resolution or "sweet spot" of the projection devices to ensure optimal image quality. Thirteen different transition effects including dissolves, wipes, cuts, and fade are supported. The duration of each transition effect is programmable. Each screen output supports two buffered program outputs (one five-wire BNC and one HD-15) and a preview output (HD-15). Auxiliary outputs are provided on the rear panel of the unit for feeds that do not require transition effects or scaling.

The ScreenPro Plus user interface simplifies system setup, adjustment, and control. To perform a transition, the operator simply selects a preview source(s) and presses a key to simultaneously transition up to six screens using any of the thirteen transition effects. Sixty-four preset memories allow complex control sequences to be "learned" for quick recall. Presets can include information about sources, effects, transition rates, PIP's, keying, and auxiliaries. Since all presets are recalled to the preview monitors, the operator can view, edit, and recall presets without affecting the program outputs.

System Modularity

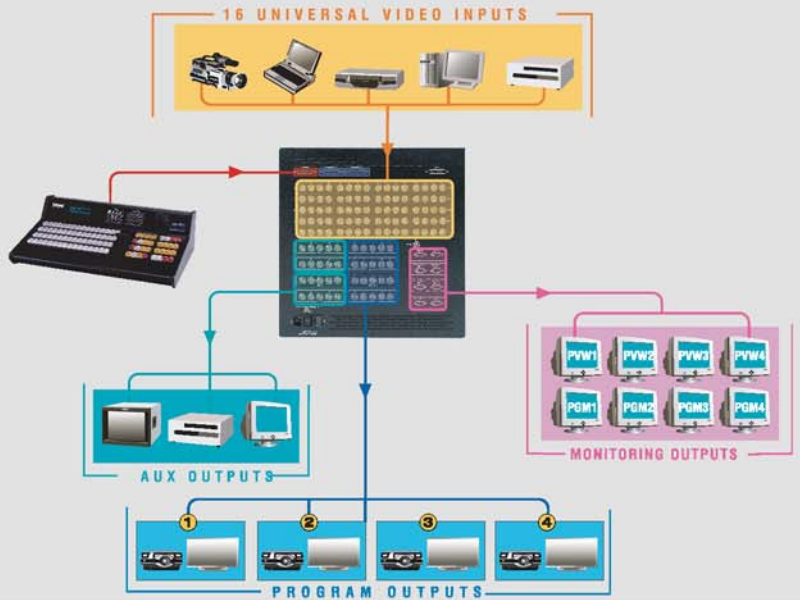
ScreenPro Plus has been designed to work seamlessly with Folsom's ScreenPro product offerings. This allows customers to utilize Folsom's ScreenPro products for single-screen applications and to utilize the same units in multi-screen applications when combined with ScreenPro Plus. For example, ScreenPro Plus Model 1604 with four-screen output can be utilized with two standard ScreenPro units to support a six-screen show. The ability to mix and match units to support different types of shows provides both premium performance and maximum flexibility.

System Features:

- Modular design supports up to six screens
- Intuitive user interface
- 16 universal inputs accept composite (NTSC and PAL), s-video, component, and computer sources with resolutions up to 1600x1200. HDTV 480p, 720p, and 1080i formats are supported in RGB colorspace
- Keying
- 64 presets
- Support for 1 or 2 PIP's on program
- 4 dedicated PIP preset keys
- Save and recall input configuration files to any screen
- Automatically syncs to input videos with resolutions from 640x480 to 1600x1200
- High-performance architecture supports seamless switching
- (2) Program and (1) Preview output for each screen
- Superior image quality
- 13 transition effects including cuts, fades, dissolves, curtains, grids, and wipes with variable transition rate
- Effect selection for single or multi-screen effects
- Screen "grouping" allows simultaneous transitions on selected screens
- T-bar for manual control of transitions
- Joystick simplifies setup of inputs
- Six test patterns for projector setup
- Up to 10 auxiliary outputs
- 8 camera tallies
- Motion adaptive de-interlacing
- User programmable output formats: VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024, SXGA 4:3 (1365x1024). For plasma displays, 848x480, 852x480, 1280x768, 1360x765. Also provides HDTV 480p, 720p, and 1080p output rates.
- Fully field programmable to support upgrades
- Backed by a full 3-year parts and labor warranty
- Free 24-hour technical support

1-4 Screen Solutions

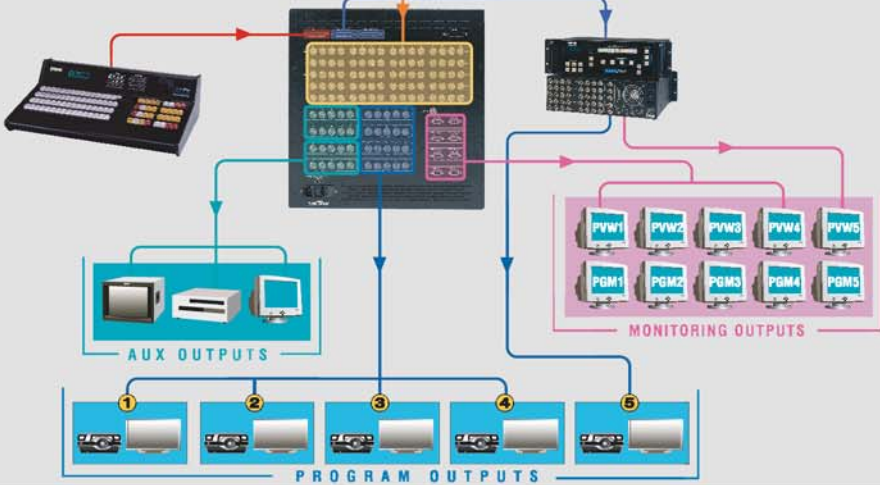
1600 Series			
Model 1601	Model 1602	Model 1603	Model 1604
Inputs: 16	Inputs: 16	Inputs: 16	Inputs: 16
Screens: 1	Screens: 2	Screens: 3	Screens: 4
Aux Outputs: 10	Aux Outputs: 8	Aux Outputs: 6	Aux Outputs: 4



5-Screen Solution

5-Screen Package includes:
 (1) ScreenPro PLUS 1604
 (1) ScreenPro

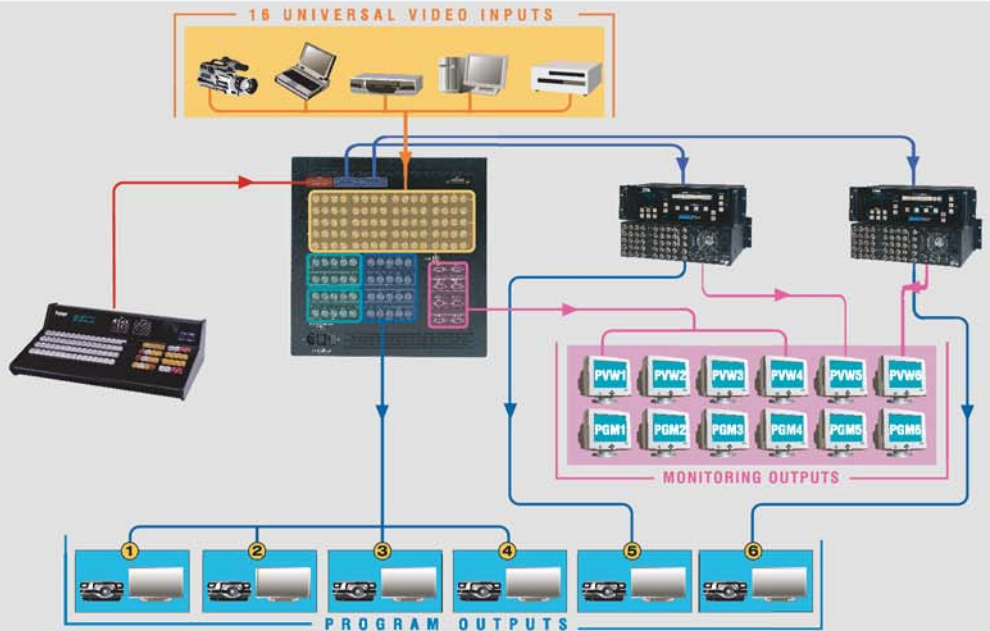
5-Screen Solution	
Inputs:	16
Screens:	5
Aux Outputs:	2



6-Screen Solution

6-Screen Package includes:
 (1) ScreenPro PLUS 1604
 (2) ScreenPro

6-Screen Solution	
Inputs:	16
Screens:	6
Aux Outputs:	0



User Control

- Up to six screen control
- Complete integrated control of system setup functions
- Joystick simplifies visual setup of inputs
- Individual or grouped destination control
- Individual or grouped transition control
- 64 user defined presets for one button recall of inputs, effects, and group settings
- Firmware synchronization throughout the system
- T-Bar for manual transition control
- Effect selection for single screen or multi-screen effects
- Direct control of each aux output or aux queuing for next transition
- Support for multiple setup files per input

Video Input

Universal A/V Inputs: (16) high bandwidth video channels

High-Resolution Video: Supports conversion of RGB videos with horizontal scan rates up to 100 KHz and resolutions up to 1600x1200. HDTV 480p, 720p, and 1080i formats are supported in RGB colorspace.

Input levels are independently programmable.

Standard Video: Accepts RGB, Y Pb Pr, S-Video (Y/C), or NTSC/PAL video formats. Input levels are independently programmable for RGB and Y Pb Pr sources. Programmable luminance and chrominance levels are provided for S-Video, and Hue and Saturation controls are provided for NTSC/PAL inputs.

Synchronization: The unit automatically locks to the incoming video source.

Input Sync Signals: Sync-on-Video; Separate C or H/V
Connectors: BNC

Video Output

High-Resolution RGB Video: User programmable output formats; VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), For plasma displays, 832x624, 848x480, 852x480, 1280x768, 1365x768, 1365x1024. Also provides HDTV 480p and 720p output rates.

Main Outputs: Two independently buffered channels: (1) RGBHV with five BNC connectors; (1) RGBHV with HD-15 connector.

Preview Output: (1) RGBHV with HD-15 connector
Output Sync Type: Separate C or H/V

Mixing and Transition Effects

13 transition effects including cuts, fades, dissolves, curtains, grids, and wipes with variable transition rates
Picture-in-Picture: Supports display of two independently scaled windows.

Luminance Keying: Supports image overlay features with user-adjustable luminance key levels

Physical

Height: 17.50" (44.5 cm); *Width:* 17" (43.2 cm) or 19" (48.3 cm) with rack-mount option; *Depth:* 20.25" (51.4 cm); *Weight:* 45 lbs (20 kg); *Shipping Weight:* 52 lbs (23 kg).

Input Power

85-250 VAC, 50-60 Hz, 250 W maximum

Environmental

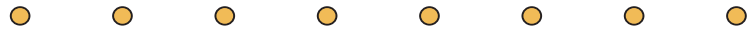
Temperature: 0-40 degrees C; *Humidity:* 0-95% noncondensing.

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.

More Information

Telephone (916) 859-2500 or toll-free (888) 414-7226; fax (916) 859-2515; e-mail to sales@folsom.com or saleseurope@folsom.com; or visit our web site at www.folsom.com



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ScreenPro™ PLUS 1600 Series Rear Panel

