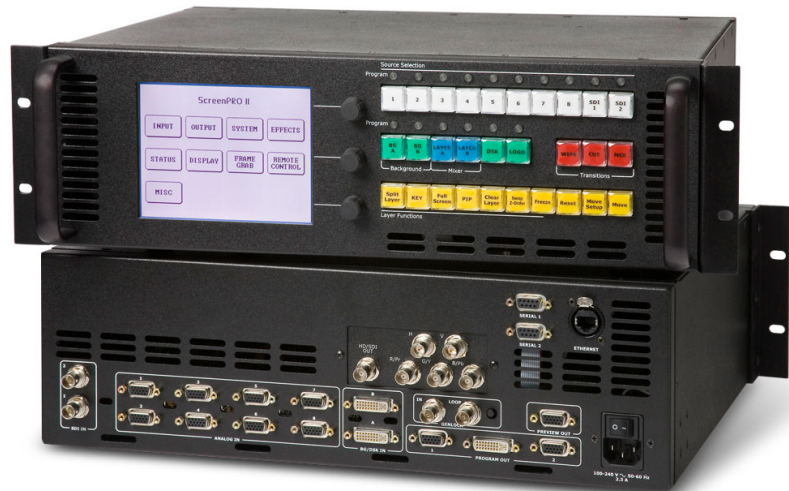


ScreenPRO-II HD with EOC

The ScreenPRO II Seamless Switcher is a multi-layer video display system that combines seamless switching with a variety



ScreenPRO II uses four image layers (Unscaled Background, up to two scaled PIPs or Keys, and an unscaled Downstream Key) to produce sophisticated effects, including transitioning backgrounds, transitioning PIPs, wipes, dissolves and keys.

Two inputs are scaled and mixed to provide mixing within a PIP (Picture-in-Picture) or, alternately, two independent PIPs or Keys displayed on a Background. In addition, two unscaled high-resolution input channels provide seamlessly transitioning backgrounds, or alternately, a high resolution background and high resolution Downstream Key (DSK). An internal 8X2 analog video router provides universal analog sources to each scaler channel. In addition, up to two optional SD/HD SDI inputs are available for the scaled channels.

ScreenPRO II supports input and output resolutions up to UXGA. High quality motion adaptive de-interlacing is performed on Standard Definition and High Definition video sources. ScreenPRO II features a low video processing delay of three input fields maximum.

ScreenPRO II is packaged as a 3RU rack-mount unit.

Technical specifications

Inputs	
Scaled Channel Inputs	<ul style="list-style-type: none"> • Analog Inputs (8) - RGBHV/RGBS/RGSB computer video, YPbPr video (SD or HD), S-video, or Composite video on 15-pin HD connector • SD and HDSI Input (2-Optional) - per SMPTE 259M-C (NTSC/PAL resolution) SMPTE 292M (HDTV) on BNC connector
Scaler Input Resolutions	<ul style="list-style-type: none"> • 480i • Computer Resolutions VGA (640 x 480) through UXGA (1600 x 1200)HDTV Resolutions up to 1920 x 1080 (720p, 1080i, 1080p) • 2048 x 1080p (Digital Cinema format) • Plasma Display Resolutions
Un-Scaled Background/DSK Channel Inputs	DVI Inputs (2) -Digital DVI per DDWG 1.0 on DVI-I connector
Background/DSK Input Resolutions	<ul style="list-style-type: none"> • Computer Resolutions VGA (640x480) through UXGA (1600 x 1200) • HDTV Resolutions, progressive up to 1920 x 1080(1080p) • 2048 x 1080p (Digital Cinema format) • Plasma Display Resolutions
Outputs	
Analog Outputs	RGBHV/RGBS/RGSB (non-interlaced only) on 15-pin HD connectors (Preview and two Program monitor/projector Outputs)
Digital Outputs	Digital DVI per DDWG 1.0 on DVI-I connector (Program Output)
Output Resolutions	<ul style="list-style-type: none"> • Computer Resolutions SVGA (640x480) through UXGA (1600 x 1200) • HDTV Resolutions, progressive up to 1920 x 1080(1080p) • 2048 x 1080p (Digital Cinema format) • Plasma Display Resolutions
User Control	
Front Panel Control	LCD Touch Screen Display, Keyboard circuitry, Rotary Encoders and LED lighted push buttons
Remote control	<ul style="list-style-type: none"> • Source Input Configuration • Output Format Selection • Test Pattern Selection • Video Source Selection for PIPs or Keys • Transition Effect Selection and Control