The COMPASS PLUS
Dual-Channel Seamless Switcher

FSR
Video Products Group

COMPASS PLUS

Cost-effective dual-channel seamless switching

FEATURES:

Processing
- True seamless switching
- High quality scaling technology
- 10-bit sampling and internal
- State-of-the-art 10-bit, 4:2:2 de-Interlace with Diagonal Filter
- Auto Acquire and Auto-positioning
- Up to three (3) LOGO stores/recall capability
- Luma Keying utilizing DVI or analog sources
- Low Video Delay

Inputs
- All resolutions from NTSC/PAL up to UXGA including all HD resolutions
- DVI, Analog Computer and Video, HD/SD SDI

Outputs
- All progressive resolutions from 480p up to UXGA including all HD resolutions
- Full screen
- Supports HDCP compatible projectors
- Built-in Test Pattern simplifies projector alignment

Mechanical
- Auto ranging power supply
- Width: 19" Rack
- Height: 2RU
- Operating Temperature Range: 0°C to 40°C (32°F to 104°F)

The COMPASS PLUS is a Dual-Channel Switcher designed to provide true seamless switching between different input sources, while maintaining high image scaling quality at an affordable price. The COMPASS PLUS features straightforward and simple operation making it ideal in live events, company boardrooms, hotel ballrooms, houses of worship, education and training facilities.

The COMPASS PLUS accepts universal analog, DVI and HD/SD SDI input sources and converts them to a wide variety of output formats. Output video is provided simultaneously in DVI and analog formats. The COMPASS PLUS also allows users to capture and store up to three images that can be used as a LOGO source during the presentation.
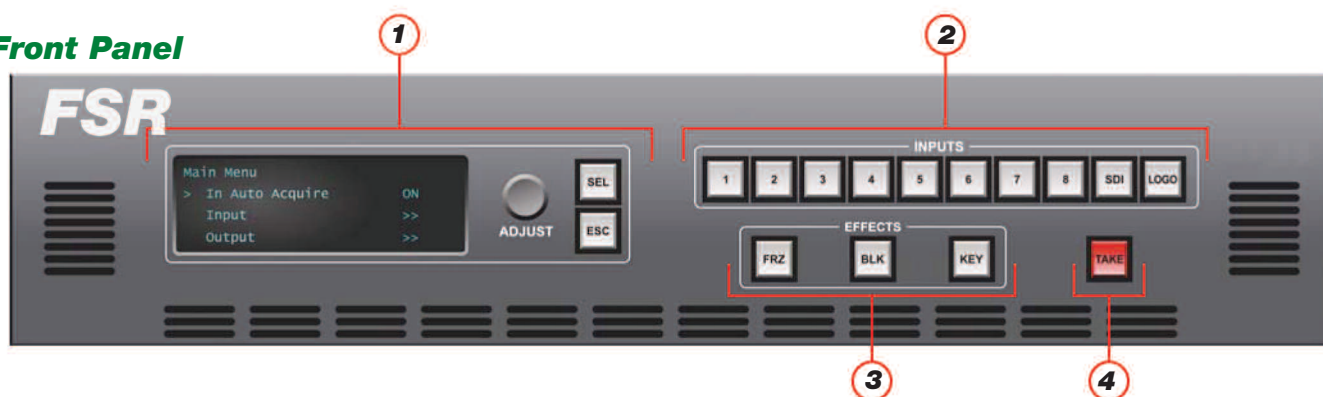
The COMPASS PLUS can utilize any digital or analog input as a luminance keying source, allowing for titling and lower third key applications. When analog sources are used as a key, on-screen transitions are executed through black. The COMPASS PLUS allows for input sources to seamlessly transition under the DVI key.

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LIT1220B

Front Panel

1: Display Section
- Four (4) line, 128x32 VFD Display
- Menu navigation via rotary encoder knob, Select/Escape buttons

2: Inputs Section
Ten buttons select the corresponding input source, or the stored LOGO image, to be placed on program after the TAKE button is pressed.
There are three button states:
- Off: The source is not currently on program
- Blinking: The source has been selected and will be placed on program after the TAKE button is pressed
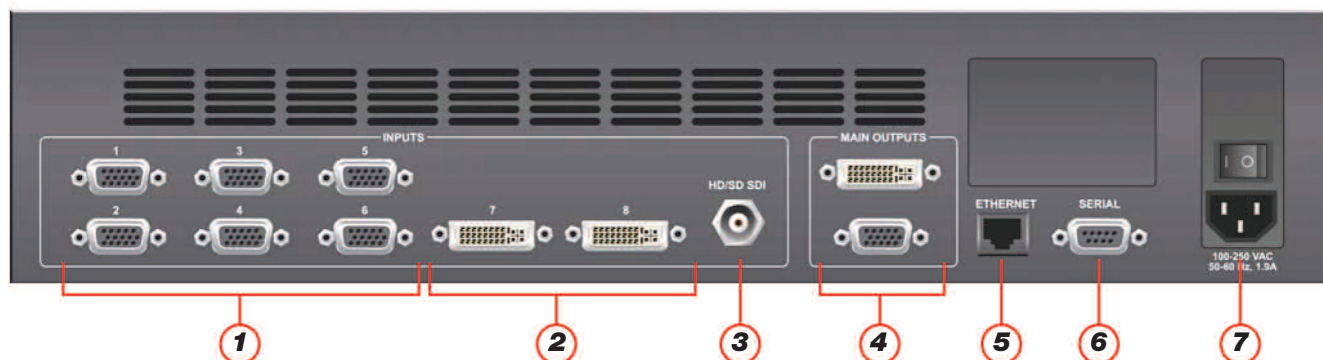- Yellow: The source is on program.

3: Effects Section
- FRZ: Instantly freezes the current image that is on program.
- BLK: Cuts the program to black
- KEY: The key source will transition to/from program, after the TAKE button is pressed

4: TAKE
Transitions the selected source or KEY at the pre-selected rate.

Rear Panel

1-3: Input Connectors

1: Six Analog Inputs via HD-15 VGA connectors
- Supports YPbPr and RGBHV
- 10-bits/color sampling at maximum 170 MHz
- True pixel mapping (1:1) for signal resolutions up to 1600x1200@60
Hz. Sources with higher pixel rates (1920x1080p@60, 1920x1200@60
and 2048x1080p@60) are also supported.

2: Two Digital or Analog Inputs via DVI-I connectors
- 8-bit digital input per DDWG 1.0 with HDCP support.
- RGBHV data via analog pins of the DVI-I connector
- The digital source will be processed if valid DVI signals are detected. The Analog source can be selected via the front panel menu.

3: Serial Digital Input (HD/SD SDI) via BNC connector (optional)
- SD SDI per SMPTE 259M-C (NTSC/PAL resolution)
- HD SDI per SMPTE 292M (HDTV)

4: Output Connectors
- Program output in digital format (DVI-D) on the DVI-I connector and in analog format on the HD-15 connector.
- Progressive resolutions at RGBHV
- HDCP Encryption support for DVI signals

5: Ethernet
- RJ-45 connector for 10/100Base-T Ethernet communications

6: Serial RS-232
- DB-9 connector for communicating with external serial devices

7: AC Power
- Input Power: 100-240 VAC, 47-63 Hz
- 240 watts maximum
- Auto-Ranging

Specifications are subject to change without notice.

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