

DCS-100



Cost-effective dual-channel seamless switcher

Features

Processing

- True seamless switching
- High quality scaling technology
- 10-bit sampling and internal processing/scaling
- State-of-the-art 10-bit, 4:2:2 de-Interlacer with Diagonal Filter
- Auto Acquire and Auto-positioning
- Up to three (3) LOGO stores/recall capability
- Luma Keying utilizing DVI
- 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 DCS-100 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 DCS-100 features straightforward and simple operation making it ideal in live events, company boardrooms, hotel ballrooms, houses of worship, education and training facilities.

The DCS-100 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 DCS-100 also allows users to capture and store up to three images that can be used as a LOGO source during the presentation.

The DCS-100 can utilize the DVI inputs as a luminance keying source, allowing for titling and lower third key applications. The DCS-100 allows for input sources to seamlessly transition under the DVI key.

BARCO

Visibly yours

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.

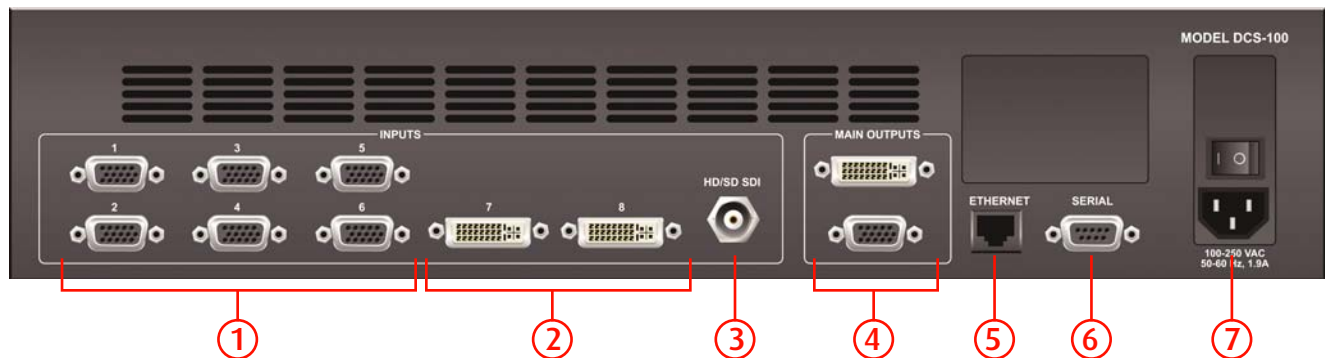
3: Effects Section

- **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 RGBHV/RGBS/RGSB computer video, component video (SD or HDTV), S-video, or Composite video
- 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

- SD SDI per SMPTE 259M-C (NTSC/PAL resolution)
- HD SDI per SMPTE 292M (HDTV)

4: Output Connectors

- Program output in digital format 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