

# DCS-200

## Cost-effective dual-channel switcher with Preview Output



### 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
- Up to three (3) LOGO stores/recall capability
- Luma Keying utilizing DVI key source
- Low Video Delay

#### Inputs

- All resolutions from NTSC/PAL up to UXGA including all HD Resolutions
- EDID support for all analog and DVI sources
- DVI, Analog Computer and Video, HD/SD SDI

#### Preview and Program Outputs

- All progressive resolutions from 480p up to UXGA including all HD resolutions
- Full screen
- Supports HDCP compatible monitors and projectors
- Independent built-in Test Patterns for Program and Preview outputs simplifies projector alignment
- Independent resolutions for Program and Preview outputs

#### Mechanical

- Auto ranging power supply
- Width: 19" Rack

The DCS-200 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-200 features straightforward and simple operation, making it ideal for live events, company boardrooms, hotel ballrooms, houses of worship, education and training facilities.

The DCS-200 accepts universal analog, DVI and HD/SD SDI input sources and converts them to a wide variety of output formats. All analog and DVI inputs support the EDID specification.

Output video is provided simultaneously in DVI and analog formats. The DCS-200 also allows users to capture and store up to three images that can be used as a LOGO source during the presentation.

Users can utilize the DVI inputs as a luminance keying source, allowing for titling and lower third key applications. Input sources can seamlessly transition under the DVI key.

DCS-200 offers a Preview output that can be routed to a monitor at the same or different resolution than the program output. Users have the option of displaying one of three signals on the preview outputs: program, preview, or test pattern.

The DCS-200 is fully compliant with HDCP 1.0 repeater mode. When the unit is processing HDCP compliant sources through the DVI connectors, the analog outputs are set to black.

**BARCO**

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## Front Panel



### 1: Display Section

- Four (4) line 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.

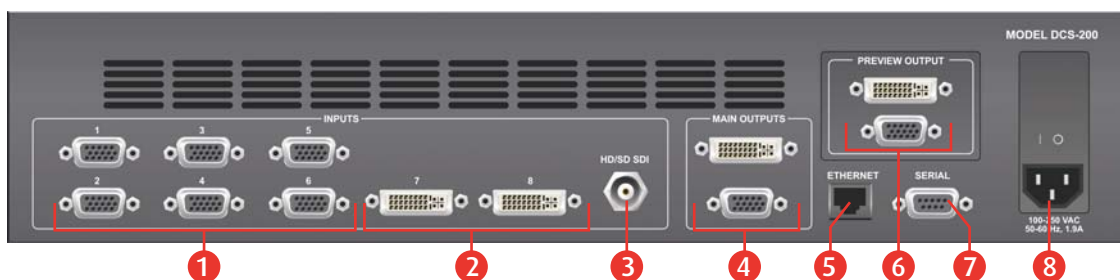
### 3: Effects Section

- **FRZ:** Instantly freezes the current image that is on program.
- **BLK:** Transitions 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 to Program.

## 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: Main 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: Preview Output Connectors

- Selectable output in digital format on the DVI-I connector and in analog format on the HD-15 connector.

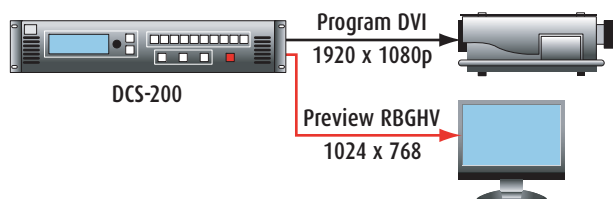
### 7: Serial RS-232

- DB-9 connector for communicating with external serial devices.

### 8: AC Power

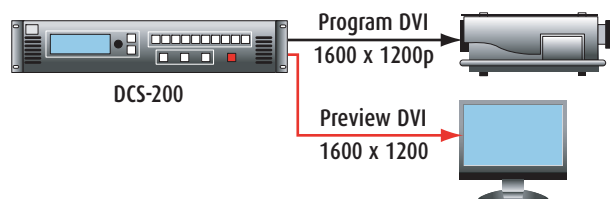
- Input Power: 100-240 VAC, 47-63 Hz; Auto-Ranging
- 240 watts maximum

## Application 1



Main Program output is connected to the projector at 1080p; Preview connected is sent to a confidence low-res XGA monitor. Program and preview output resolutions are different.

## Application 2



Input adjustments are made by viewing the source on the preview monitor, before is transitioned to the program output. Program and preview output resolutions need to be the same.