

DCS-100

Dual-channel true seamless switcher

HDCP
COMPLIANT

2 LAYERS

UP TO
WUXGA
COMPATIBLE



The DCS-100 is a dual-channel switcher designed to provide true seamless switching between different input sources and formats, while maintaining superb scaling quality at an affordable price. It has been designed for straightforward and simple operations, which makes it the ideal seamless switcher for live events, boardrooms, hotel ballrooms, houses of worship, lecture halls, training facilities and more.

Processing

- True seamless switching
- High quality scaling technology
- 10-bit sampling and internal processing/scaling
- 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

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- 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)

Product specifications

DCS-100

Connectors

Ethernet	RJ-45 connector for 10/100Base-T Ethernet communications
Serial RS-232	DB-9 connector for communicating with external serial devices

Front panel control

Effects section	<ul style="list-style-type: none">FRZ: Instantly freezes the current image that is on program.BLK: Cuts the program to blackKEY: The key source will transition to/from program, after the TAKE button is pressedTAKE: Transitions the selected source or KEY at the pre-selected rate.
Display section	<ul style="list-style-type: none">Four (4) line, 128x32 VFD DisplayMenu navigation via rotary encoder knob, Select/Escape buttons
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: <ul style="list-style-type: none">Off: The source is not currently on programBlinking: The source has been selected and will be placed on program after the TAKE button is pressedYellow: The source is on program.

Inputs

Serial digital input (HD/SD SDI) via BNC connector	<ul style="list-style-type: none">SD SDI per SMPTE 259M-C (NTSC/PAL resolution)HD SDI per SMPTE 292M (HDTV)
Six analog inputs via HD-15 VGA connectors	<ul style="list-style-type: none">Supports YPbPr, RGBHV, S-video and composite10-bits/color sampling at maximum 170 MHzTrue 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.
Two digital or analog inputs via DVI-I connectors	<ul style="list-style-type: none">8-bit digital input per DDWG 1.0 with HDCP support.RGBHV data via analog pins of the DVI-I connectorThe digital source will be processed if valid DVI signals are detected. The Analog source can be selected via the front panel menu.

Outputs

Outputs	<ul style="list-style-type: none">Program output in digital format on the DVI-I connector and in analog format on the HD-15 connector.Progressive resolutions at RGBHVHDCP Encryption support for DVI signals
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Last updated: 09 Jul 2024

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