

## SDI Input Card for DM<sup>®</sup> Switchers

The DMC-SDI is an input card for a Crestron<sup>®</sup> DigitalMedia<sup>™</sup> Switcher, providing one SDI input to support high-end professional cameras and other AV sources. The DMC-SDI supports SD-SDI, HD-SDI and 3G-SDI formats, handling high-definition video signals up to 1080p60 and 2 channels of 24-bit digital audio<sup>[1]</sup> through a single coaxial cable. An SDI loop-thru output is included for connection to a local monitor or other SDI device.

Additional AV connections on the card include an HDMI<sup>®</sup> and stereo analog audio outputs. The HDMI output allows the converted SDI signal to be passed through to a local HDMI or DVI<sup>[2]</sup> device, or to feed a second DM<sup>®</sup> switcher for output expansion purposes. The analog audio output, which features programmable volume control, breaks out a stereo audio signal from the SDI input<sup>[1]</sup> and passes it through to feed other audio equipment.

The DMC-SDI may also be used with the DMCI DigitalMedia Card Interface to create a very handy problem-solving tool with many useful functions. For instance, it can be used to convert SDI video and audio to HDMI, or to extract an analog audio signal from an SDI signal.

### SPECIFICATIONS

#### Video

**Input Signal Types:** SDI

**Output Signal Types:** SDI (loop-thru); HDMI<sup>®</sup> and DVI<sup>[2]</sup> to switcher backplane and HDMI OUT connector

**Input Formats:** SD-SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M)

**Output Formats:** SD-SDI, HD-SDI, 3G-SDI, HDMI, DVI

**Input Resolutions:**

SMPTE 425M (3G-SDI) 4:2:2 Colorspace: 1920x1080@50Hz (1080p50), 1920x1080@60Hz (1080p60);  
 SMPTE 425M (3G-SDI) 4:4:4 Colorspace: 1280x720@50Hz (720p50), 1280x720@60Hz (720p60), 1920x1080@24Hz (1080p24), 1920x1080@25Hz (1080p25), 1920x1080@30Hz (1080p30), 1920x1080@50Hz (1080i50 or 1080sF25), 1920x1080@60Hz (1080i60 or 1080sF30);  
 SMPTE 260M (HD-SDI): 1920x1035@60Hz (1035i60);  
 SMPTE 295M (HD-SDI): 1920x1080@50Hz (1080i50);  
 SMPTE 274M (HD-SDI): 1920x1080@24Hz (1080p24), 1920x1080@24Hz (1080sF24), 1920x1080@25Hz (1080p25), 1920x1080@30Hz (1080p30), 1920x1080@50Hz (1080i50 or 1080sF25), 1920x1080@60Hz (1080i60 or 1080sF30);  
 SMPTE 296M (HD-SDI): 1280x720@50Hz (720p50), 1280x720@60Hz (720p60);  
 SMPTE 259M-C (SD-SDI): 720x480@59.94 (NTSC), 720x576@50i (PAL)

**Output Resolutions:** Matched to inputs



#### Audio

**Input Signal Types:** SDI

**Output Signal Types:** SDI (loop-thru); HDMI to switcher backplane and HDMI OUT connector, analog stereo 2-channel

**Input Formats:** 2 channel PCM via SDI

**Output Formats:** 2 channel PCM via SDI, HDMI, & DM; 2-channel analog  
**Digital-To-Analog Conversion:** 24-bit 48 kHz

**Performance (analog):** Frequency Response: 20Hz to 20kHz  $\pm$ 0.5dB;  
 S/N Ratio: >95dB, 20Hz to 20kHz A-weighted;  
 THD+N: <0.005% @ 1kHz;  
 Stereo Separation: >90dB

**Volume Gain Range (analog):** -80dB to 0dB

#### Connectors

**HDMI OUT:** (1) 19-pin Type A HDMI female;  
 HDMI digital video/audio output;  
 Also supports DVI<sup>[2]</sup>

**SDI IN:** (1) BNC female, SDI video input;  
 Input Impedance: 75 Ohms nominal with loop-thru disabled

**SDI OUT:** (1) BNC female, SDI video/audio loop-thru output

**AUDIO OUT:** (2) RCA female;  
 Unbalanced stereo line-level audio output with level control;  
 Maximum Output Level: 2 Vrms;  
 Output Impedance: 100 ohms nominal

#### Construction

Plug-in card, occupies (1) DM Switcher input card slot, includes metal faceplate w/black finish

#### Weight

8.0 oz (227 g)

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## MODELS & ACCESSORIES

### Available Models

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**DMC-SDI:** SDI Input Card for DM<sup>®</sup> Switchers

### Available Accessories

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**CBL-HD:** Crestron<sup>®</sup> Certified HDMI<sup>®</sup> Interface Cables

**CBL-HD-DVI:** Crestron<sup>®</sup> Certified HDMI<sup>®</sup> to DVI Interface Cables

**CBL-HD-LOCK:** Locking High-Speed HDMI<sup>®</sup> Cables

**CBL-RCA2:** Crestron<sup>®</sup> Certified RCA Stereo Audio Interface Cables

**DMCI:** DigitalMedia<sup>™</sup> Card Interface

### Notes:

1. Allows selecting any one of the four audio groups on the SDI input stream. Receives only the first 2 channels of the selected group.
2. HDMI requires an appropriate adapter or interface cable to accommodate a DVI signal. [CBL-HD-DVI](#) interface cable available separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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