

SC-SDI2HD

SDI to HDMI Converter

Converts SDI, HD-SDI and 3GSDI to HDMI for display on any HDTV



UMA1243, Rev. n/c

**SUPPORT &
ORDERING
INFORMATION**

For technical support, Call **714-641-6607**

www.hallresearch.com

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FCC RADIO FREQUENCY INTERFERENCE STATEMENT

This device complies with part 15 Class A of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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1. Specifications

HDMI Bandwidth	225MHz/link
Resolutions Supported	480i, 576i, 720p@50/60 1080i@50/60 1080p@24/25/30/50/60
TMDS Signal Level	3.3 volts
DDC Signal Level	5.0 volts
ESD Protection	±8kV (air-gap discharge) ±4kV (contact discharge)
Max Coaxial Cable Length (with quality RG-6U)	Full HD up to 70 m (230 ft) HD up to 122 m (400 ft) SD up to 153 m (500 ft)
Dimensions (each side)	1.18" H x 2.75" W x 3.85" D (30mm H x 70mm W x 98mm D)
Weight (each side)	Product - 0.75 lb (0.35 kg) Shipping - 1.5 lbs (0.70 kg)
Power Supply (each side)	external Input: 100 ~240 Vac, 50/60 Hz ; Output 5 Vdc, 1 A
Power consumption	2.3 watts per side
Operation temperature:	+32 to +122 °F (0 to +50 °C)
Storage temperature:	-40 to +158 °F (-40 to +70 °C)
Relative humidity:	20~90% (non-condensing)

2. Overview

2.1 Introduction

The . SC-SDI2HD is an SDI to HDMI Converter with SDI loop output. It automatically detects SDI, HD-SDI, or 3G-SDI on its input and converts it to an HDMI output that can be displayed on any TV or monitor with an HDMI input. Resolutions of up to 1080p/60 are supported.

The device features a buffered SDI output so the original SDI signal is preserved for possible connection to local display with SDI input.

2.2 Features

- Supports resolutions up to 1920x1080 at 60 Hz
- No user settings, plug-n-play
- Rugged, reliable and compact size
- Buffered SDI "Loop" output
- Uses Locking HDMI connector

2.3 What's Included

- Converter Box
- This user's manual
- Power Supply

2.4 Hardware Description

The following figures show all connectors and indicators on the unit.



3. Installation

1. Plug the SDI output from the SDI source (Camera or video player) to the SDI input.
2. Connect the HDMI output to any HDMI TV or equipment
3. If required plug the SDI output to any SDI compatible TV
4. Plug in and connect the power supply

4. Troubleshooting

There is no adjustments or settings. The unit will automatically detect the type of SDI input and convert it to HDMI. If the SDI input has audio embedded, then the HDMI output will have the same audio embedded.

If you are not getting any image the first thing to check is the quality and length of the SDI cables. This device requires the use of quality RG-6U cables designed for SDI. Full HD (1080p) may be extended to 70 meters maximum on the SDI output. HDMI output is standard and is limited to about 5 meters (15 feet) depending on the quality of the HDMI cable.

4.1 Contacting Hall Research

If you determine that your Converter is malfunctioning, do not attempt to repair the unit. Contact Hall Research Technical Support department at 714-641-6607 to obtain a RMA (Return Authorization) number. Before you do, make a record of the history of the problem. We will be able to provide more efficient and accurate assistance if you have a complete description.



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