



# DVI to SDI Converter



PID: 11750

**USER'S MANUAL**

## **SAFETY WARNINGS AND GUIDELINES**

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power source.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Unplug this device from the power source when not in use.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Use only the AC adapter included with this device. If the AC adapter is lost or damaged, use only an exact replacement.
- Clean only using a soft, dry cloth. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device.

## INTRODUCTION

Thank you for purchasing this DVI to SDI Video Converter from Monoprice!

This simple converter allows you to view DVI source material on one or two SDI displays or to transmit DVI video source material into an SDI network. It also supports analog stereo audio input, which is combined with the DVI video into the final SDI signal. Installation is easy, with no hardware switches or software settings to worry about.

## FEATURES

- Supports multiple DVI-D video resolutions (720p @50/60Hz, 1080i @50/60Hz, 1080p @24Hz, 1080p @50/60Hz)
- Supports multiple color spaces (RGB sampled, YCbCr 4:4:4 sampled, YCbCr 4:2:2 sampled)
- Supports data rates from 270Mbps to 2.97Gbps
- Supports 8-bit, 10-bit, and 12-bit Deep Color
- Supports 8 channels of 48k sampling rate digital audio
- Supports long SDI cable runs (up to 400m for SD mode, 200m for HD mode, and 100m for 3G mode)

## CUSTOMER SERVICE

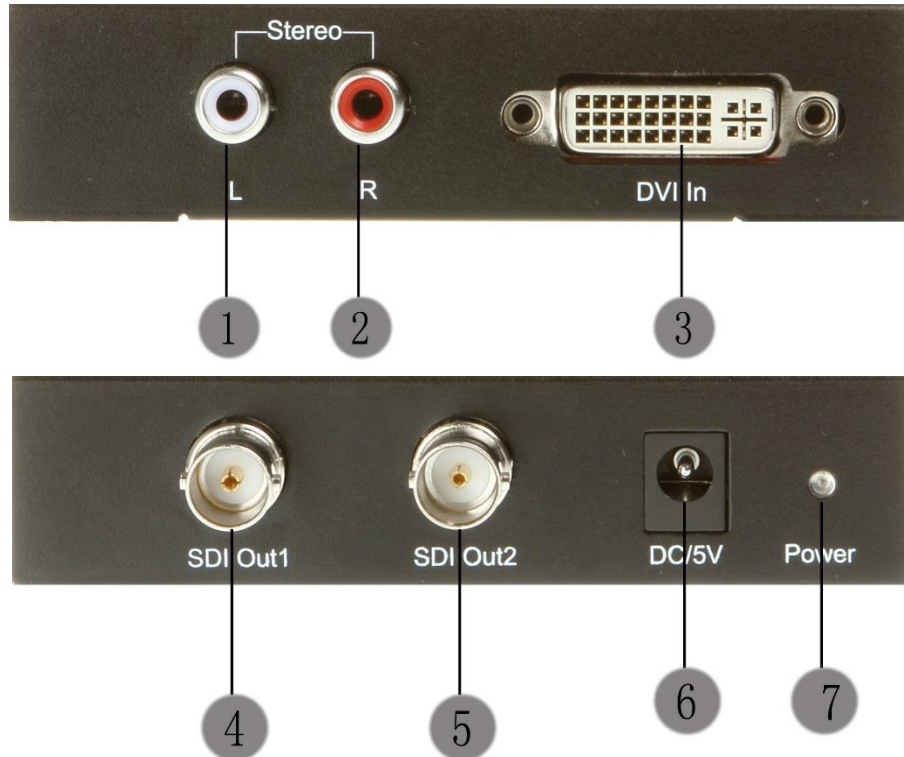
The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website ([www.monoprice.com](http://www.monoprice.com)) during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at [support@monoprice.com](mailto:support@monoprice.com)

## PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x DVI to SDI video converter
- 1x AC power adapter
- 1x User's manual

## PRODUCT OVERVIEW



1. **Left Audio Input Jack:** Use an RCA cable (not included) to connect the left channel audio.
2. **Right Audio Input Jack:** Use an RCA cable (not included) to connect the right channel audio.
3. **DVI Video Input:** Use a DVI-D cable (not included) to connect a digital DVI video source.
4. **SDI Video Output:** Use an SDI cable (not included) to connect the converter to an SDI display or other SDI device.
5. **SDI Video Output:** Use an SDI cable (not included) to connect the converter to an SDI display or other SDI device.
6. **DC Power Jack:** Plug the DC connector on the included AC adapter into this jack.
7. **Power Indicator:** This LED indicator glows red when power is applied to the converter.

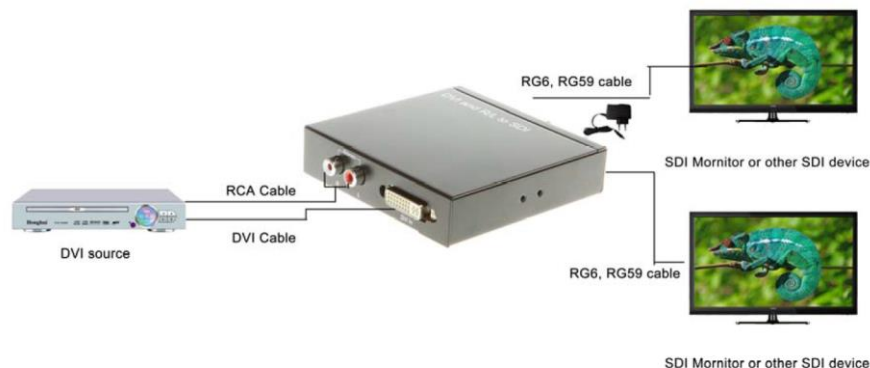
## SDI CABLES

SDI cables are constructed using RG-6 or RG-59 75-ohm coaxial cable, terminated with BNC connectors on each end.

# INSTALLATION

Perform the following steps to connect the converter to a DVI video source, an analog audio source, and one or more SDI output devices.

1. Ensure that your SDI display(s), or other device(s), your DVI video source device, and your analog audio source device are powered OFF.
2. Plug one end of an SDI cable (not included) into the video input of your SDI display or other device.
3. Plug the other end of the SDI cable into one of the SDI outputs (4 or 5) on the converter.
4. (Optional) Repeat steps 2-3 for a second SDI display or device.
5. Plug one end of a DVI-D cable (not included) into the DVI input port (3) on the video converter.
6. Plug the other end of the DVI-D cable into the video output of your DVI video source device.
7. Plug an RCA cable (not included) into the Left Channel audio input jack (1) on the video converter.
8. Plug the other end of the RCA cable into the Left Channel audio output jack on your audio source device.
9. Plug an RCA cable (not included) into the Right Channel audio input jack (222) on the video converter.
10. Plug the other end of the RCA cable into the Right Channel audio output jack on your audio source device.
11. Plug the DC connector on the AC adapter into the DC Power Jack (6) on the video converter.
12. Plug the AC adapter into a nearby power outlet.
13. Power on your SDI display(s) or other device(s).
14. Power on your DVI video source device and your analog audio source. Start playback of your audio/video source.



## **TROUBLESHOOTING**

**Q1:** The converter is connected, but there is no video on the connected display.

**A1:** Double-check all connections. Try using different video cables. Ensure that the AC adapter is plugged into the converter and into an AC power source. Verify that you are using a DVI-D cable. Verify that your source is a digital DVI-D source.

**Q2:** The SDI output has video, but no audio can be heard.

**A2:** Double-check the audio connections. Verify that your source material contains audio. Try using different audio cables.

## **TECHNICAL SUPPORT**

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website ([www.monoprice.com](http://www.monoprice.com)) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to [tech@monoprice.com](mailto:tech@monoprice.com)

# SPECIFICATIONS

Input Connectors	1x DVI-D video (female) 2x RCA audio (female)
Output Connectors	2x SDI BNC (female)
Maximum Resolution	1920 x 1080p @50/60 Hz
Deep Color Support	8-, 10-, and 12-bits/channel
Supported Color Spaces	RGB sampled, YCbCr 4:4:4 sampled, YCbCr 4:2:2 sampled
Audio Support	Up to 8 channels of 48k sampling rate digital audio
Bandwidth Range	270Mbps ~ 2.97Gbps
Maximum SDI Cable Length (using RG-6 cable)	SD Mode: up to 400m HD Mode: up to 200m 3G Mode: up to 100m
Input Power	5.0 VDC, 2A
AC Adapter Input Power	100 ~ 240 VAC, 50/60 Hz, 0.5A
Power Consumption	up to 2.4 watts
Operating Temperature	+32 ~ +158°F (0 ~ +70°C)
Operating Humidity	10 ~ 85% RH (non-condensing)
Storage Temperature	+14 ~ +176°F (-10 ~ +80°C)
Storage Humidity	5 ~ 90% RH (non-condensing)
Dimensions	4.7" x 3.9" x 0.9" (120 x 100 x 24 mm)
Weight	13.9 oz. (395g)
Regulatory Compliance	FCC, CE, UL

## REGULATORY COMPLIANCE



### FCC Class B Notice

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

**Modifications:** Any modifications made to this device that are not approved by Monoprice, Inc. may void the authority granted to the user by the FCC to operate this equipment.



This product is in compliance with CE directives and bears the CE mark. For detailed information on specific directives, please contact Monoprice Customer Service.