



Distribute 1 HD-SDI to 4 locations

1:4 HD-SDI Distribution Amplifier

One SDI Input Becomes 4 SDI Outputs for Real-Time Multi-Viewing

The 1:4 HD-SDI Distribution Amplifier is a reliable video splitting device that allows a single SDI or HD-SDI video source to send data to four SDI or HD-SDI displays at the same time. Crisp, highly defined visuals are generated for each distributed output, and multiple formats (NTSC, PAL) plus high definition video resolutions (720 to 1080p) are fully supported.

SDI

SDI (serial digital interface), used primarily in broadcasting, converts and transmits digital video through SDI connectors. It processes high quality standard or high definition video.

How It Works

You simply connect your source to the 1:4 HD SDI Splitter's HD-SDI input, then connect your four displays to the Splitter's HD-SDI outputs. Once the source, the displays and the Splitter are powered and connected, your source's video appears on all four displays simultaneously.

Features:

- Easily distribute one HD-SDI source to four HD-SDI displays
- Streamlines equipment; unnecessary hardware is eliminated
- Distributes video instantaneously

Specifications:

- Input/Output: SDI - SMPTE 259M-C (270Mbps); HD-SDI - SMPTE 292M (1.485, 1.485/1.001 Gbps)
- Supports NTSC, PAL & all HD formats
- 2048x1024 maximum input/output resolution
- Power Consumption: 10 watts (max)
- Dimensions: 7.5"W x 1.1"H x 3.5"D
- Power Supply: 5V DC
- Shipping Weight: 4 lbs.

Package Includes:

- 1:4 HD-SDI Distribution Amplifier
- One 5v Power Supply
- Owner's Manual



EXT-HSDSI-144N



HD-SDI 1x4
Splitter
USER MANUAL

www.gefen.com

ASKING FOR ASSISTANCE

Technical Support:

Telephone (818)772-9100
(800) 545-6900

Fax (818)772-9120

Technical Support Hours:

8:00 AM to 5:00 PM Monday thru Friday PST.

Write To:

Gefen Inc.
C/O Customer Service
20600 Nordhoff Street
Chatsworth CA 91311

support@gefen.com -- www.gefen.com

Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

1x4 HD-SDI Splitter is a trademark of Gefen Inc.

TABLE OF CONTENTS

- 1 Introduction
- 2 Features
- 3 Panel Descriptions
- 4 Connecting and Operating the 1x4 HD-SDI Splitter
- 5 Specifications
- 6 Warranty

INTRODUCTION

Congratulations on your purchase of the extend•it 1x4 HD-SDI Splitter. Your complete satisfaction is very important to us.

Splits one HD-SDI Source Signal Four Times

1 SDI Input = 4 SDI Outputs for Real-Time Multi-Viewing

The 1:4 HD-SDI Distribution Amplifier is a reliable video splitting device that allows a single SDI video source to send data to four HD-SDI displays at the same time. Crisp, highly definition visuals are generated for each distributed output, and multiple formats (NTSC, PAL).

SDI

SDI (serial digital interface), used primarily in broadcasting, converts and transmits digital video through SDI connectors. It processes high quality standard or high definition video.

How it works

You simply connect your source to the 1:4 HD SDI Splitter's HD SDI input, then connect your four displays to the Splitter's HD SDI outputs. Once the source, the displays and the Splitter are powered and connected, your source's video appears on all four displays simultaneously.

FEATURES

Features

- Easily distribute one HD-SDI source to four HD-SDI displays
- Streamlines equipment as unnecessary hardware is eliminated
- Distributes video instantaneously

Includes:

- (1) 1:4 HD-SDI Distribution Amplifier
- (1) 5v Power Supply
- (1) Users Manual



PANEL DESCRIPTIONS



Active Video Indicator

Power LED Indicator



SDI Inputs

SDI Outputs

Connects to 5V Power Supply

CONNECTING AND OPERATING THE 1x4 HD-SDI SPLITTER

How to Connect the 1x4 HD-SDI Splitter to your devices

- 1 Connect your HD-SDI input into Input 1 on the 1x4 HD-SDI Splitter.
- 2 Connect your displays into outputs 1 thru 4.
- 3 Connect the 5VDC power supply into the 1x4 HD-SDI Splitter.

SPECIFICATIONS

Input/Output.....SDI - SMPTE 259M-C (270Mbps)
Input/Output.....HD-SDI -SMPTE 292M (1.485, 1.485/1.001 Gbps)

Supports NTSC & PAL formats
720p @ 60, 59.94, 50Hz
1080p @ 30, 29.97, 25, 24 & 23.98Hz
1080i @ 60, 59.94, 50, 48 & 47.95Hz

Power Supply.....5V DC

Power Consumption.....10 watts (max)

Dimensions.....7.5"W x 1.25"H x 4.125"D

Shipping Weight.....4 lbs.

WARRANTY

Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding 1x4 HD-SDI Splitter features and specifications is subject to change without notice.