

# 4 Port SDI Splitter

## (3G / HD/ SD–SDI TO Repeater)

### Model No: LM-SS14

#### INTRODUCTION

##### Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI converters, switchers, extenders, matrixes and splitters are designed to make your AV device use more convenient, more comfortable, more productive and more cost-efficient.

The 4 Port SDI Splitter can easily distribute one SDI signal to four SDI Compliant Displays without any loss of signal, distortion and delay. It supports SD-SDI, HD-SDI and 3G-SDI format signals; also it can do amplify to the SDI signal.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

##### FEATURES

- One Signal distribute to four SDI signal out.
- Support SD-SDI, HD-SDI and 3G-SDI Video Format.
- SDI Supports 1080P/1080I/720P/576I/ 480I Video Resolution.
- Support SDI transmission Speed: SD-SDI: 270Mbps, HD-SDI: 1.485Gbps and 3G-SDI: 2.97Gbps.
- Supported Max Cable Length (SYV-75-5) :SD supports up to 400m, HD supports up to 200m, 3G supports up to 80~100m(Note: The cable length will depend on the cable spec)
- Support deep color 8bit, 10bit, 12bit
- Support up to 3G-SDI
- Audio and Video Output Simultaneously
- Support Clock Recovery
- No Any Drive Need, Support Hot-Plug, Plug and Play
- Wide voltage input, It can support DC 5V~ 12V input

##### PACKAGE CONTENTS:

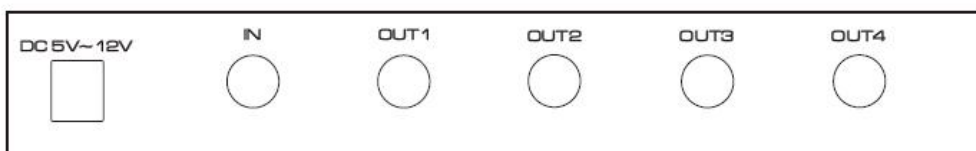
1. Main unit 1PCS
2. 5V Power Adaptor 1PCS
3. one pc of Manual 1PCS

##### Physical Connection Showing Picture:



Picture 1.0 Front Panel View

OUT : SDI output led status light  
POWER : Power Led Status Light



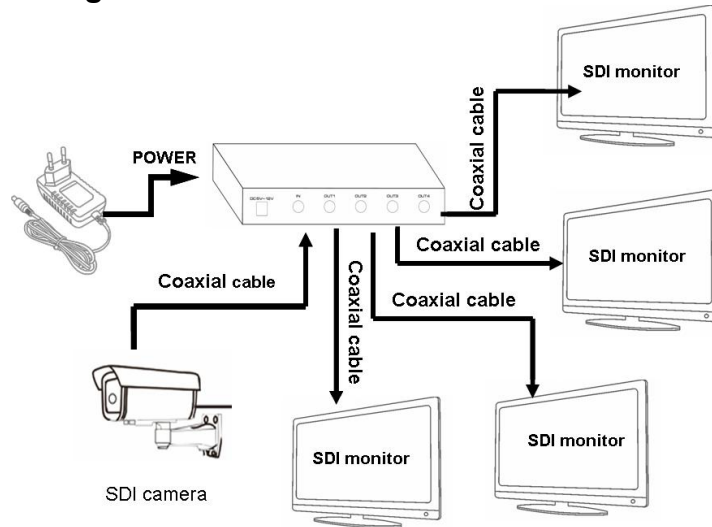
Picture 1.1 Back Panel View

DC 5V~12V : 5V~12V DC-DC Power Adaptor Interface.

IN : SDI input interface

OUT1-OUT4 : SDI output interface

## Operating and Connecting:



1. To use one coaxial cable to connect the SDI source with the SDI Input port of the splitter.
2. To use the coaxial cable to connect the SDI display with the SDI output port of the splitter.
3. To connect the power adaptor with the SDI Splitter.

## SPECIFICATIONS:

Support SDI Format.....	SD-SDI、HD-SDI and 3G-SDI
SDI resolution.....	1080P/1080I/720P/576I/ 480I
Support video color format .....	8bit/deep color 10bit,12bit
Audio Signal.....	SDI Built-in
SDI baud rate.....	.270Mbps、 1.485Gbps and 2.97Gbps
Coaxial cable Characteristic impedance.....	.75 $\Omega$
Max working current.....	.300mA/DC 5V
Power adapter format.....	Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V~12V/2A
Operating Temperature range.....	-10 to +55 $^{\circ}$ C
Storage Temperature range.....	-20 to +60 $^{\circ}$ C
Operating Humidity range.....	10 to 90%RH (No Condensation)
Storage Humidity range.....	.5 to 95%RH (No Condensation)
Dimension (L x W x H) .....	178X66X28 (mm)
Weight.....	.418g

## Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machine is not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	1、 Check if the power adaptor head is truly and correctly inserted the power socket. 2、 Check the power switch if it is in on status.
2	No Picture	1、 Pls to make sure that the Display device is on and has been connected with the machine. 2、 To check if the signal source is on and well connected. 3、 Check the system connection quality. 4、 Check if the line is all good quality. 5、 Check the cable quality
3	Obscure Picture	1、 To try again to connect the cable to be free from the unsuccessful connection. 2、 Check the cable quality