

3G/HD/SD_SDI
Seamless switcher 4 x 1

User manual

VER:1.2

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.

1. Introduction

SDI switcher is a high-performance with seamless switching, it can be four input SDI/HD-SDI/3G-SDI serial digital video signal source, after scaling into HD-SDI or 3G-SDI serial digital video signal seamless switch to the on HD display device. This product built-in automatic identification and compatible with SD-SDI, HD-SDI, 3G-SDI all format of SDI signal. It is the support 2.97Gbps bandwidth, and supports lossless transmission over long distances.

2. Features

- 4 SDI input signal switch to 1 SDI sink devices.
- Support seamless switching
- Supports inputs SD-SDI(270Mb/s), HD-SDI(1.485Gb/s), 3G-SDI(2.97Gb/s) video format.

- Built-in cable equilibrium, clock recovery and drive.
- Supports outputs resolutions: 1080p@60Hz (3G) and 720p@60Hz (HD).
- Supports signal input and output distances of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals.
- Supports remote control and on-panel control
- Supports 5-12V wide voltage input.

3. Package

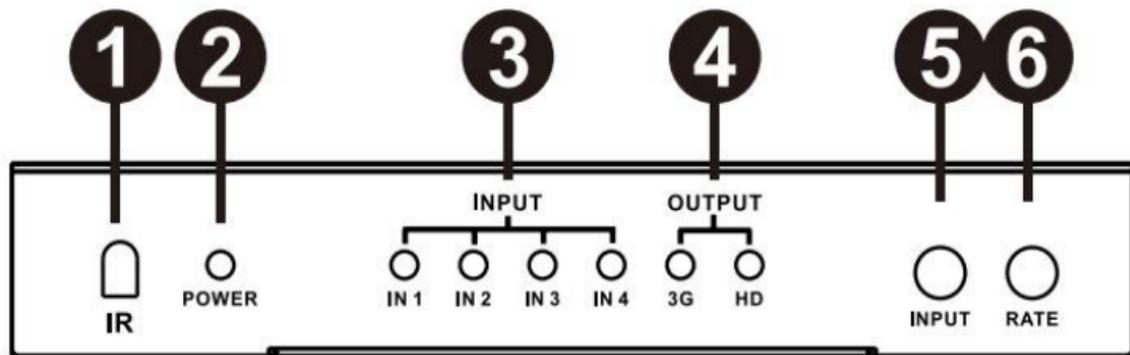
- 4x1SDI Seamless Switcher----- 1PCS
- 5V 1A DC Power Supply adapter ----- 1PCS
- IR Remote control----- 1PCS
- Operation Manual ----- 1PCS

4. Specifications

- Frequency Bandwidth 3Gbps
- SDI Input Ports 4 x BNC Female input port
- SDI Output Ports 1 x BNC Female output ports
- Power Supply DC 5V 1A
- ESD Protection Human Body Model: $\pm 8\text{kV}$ (air-gap discharge)
 $\pm 4\text{kV}$ (contact discharge)
- Dimensions (mm) 70(W) X 145 (D) X 25 (H)
- Weight 350g
- Operating Temperature $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$
- Storage Temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$
- Relative Humidity 20 ~ 90% RH (Non-condensing)
- Power Consumption (Max) 4W

5. Operation controls and Functions

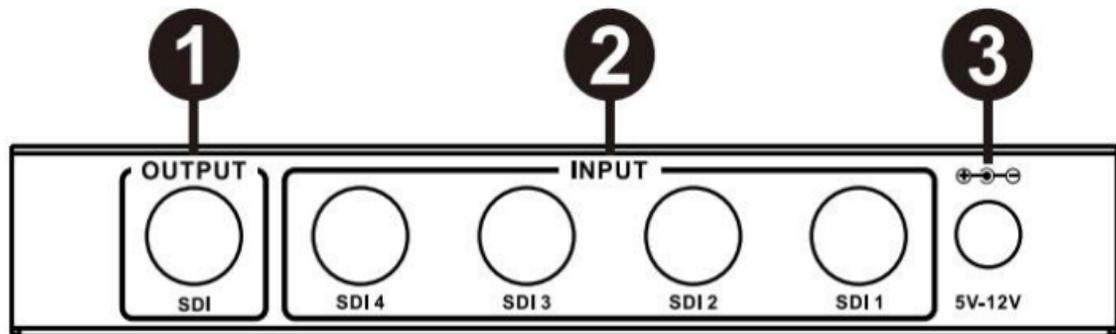
Front Panel



- 1) **IR:** IR Receiver window (accepts the remote control signal of this device only).
- 2) **POWER LED:** This red LED illuminate when the device is connected with power supply.
- 3) **INPUT LED:** These inputs status indicating lamp.
 - (1).Illuminate: SDI input signal stability.
 - (2).Flashing: Input port is selected, but there is no input signal or the input signal is not stable

- 4) **OUTPUT LED:** Output rate status indicating lamp.
- 5) **INPUT SELECT:** Press the INPUT button to select an input from the 4 input sources.
- 6) **RATE SELECT:** Press the RATE button will change output rate(3G or HD).

Rear Panel



- 1) **SDI OUTPUT:** This slot is where you connect the SDI displays or monitors with coaxial cable (RG6).
- 2) **SDI INPUT:** These slots are where you connect the SDI source output from SDI Camera.

- 3) **DC 5V-12V:** Plug the 5V or 12V DC power supply into the unit and connect the adapter to AC wall outlet.

6. Application Example

