

**3G/HD/SD\_SDI**  
**Seamless switcher 4 x 1**

**User manual**

VER:1.1

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

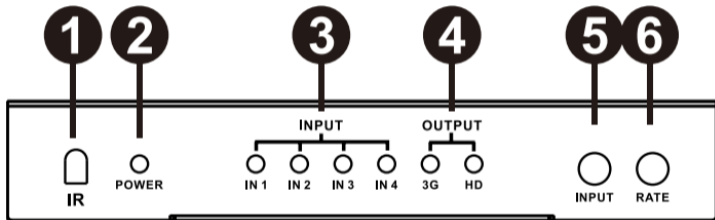
## 4. Specifications

- Frequency Bandwidth                  3Gbps
- SDI Splitter Input Ports              4 x BNC Female input port
- SDI Splitter 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.

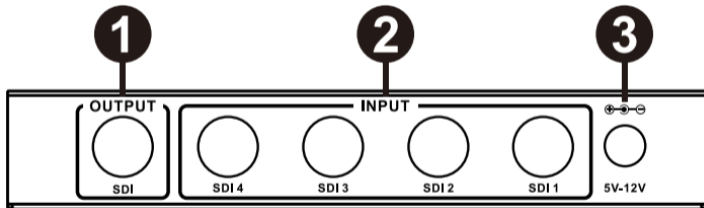
(2).Flashing: Input port is selected, but there is no input signal or the input signal is not stable

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

