# 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

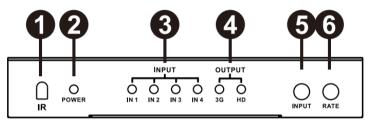
## 4. Specifications

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

3Gbps

# 5. Operation controls and Functions

Front Panel



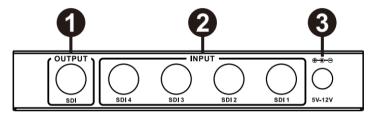
- 1) IR: IR Receiver window (accepts the remote control signal of this device only).
- 2) **POWER LED:** This red LED illuminate when the device is connected with power supply.
- 3) **INPUT LED:** These inputs status indicating lamp.

(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**



- 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.

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

