

3G/HD/SD_SDI Splitter 1 x 2

User manual

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.

I. Introduction

1×2 SDI splitter distributes allows 1 SDI, HD-SDI or 3G-SDI video source to 2 SDI/HD-SDI/3G-SDI displays simultaneously. 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.

II. Features

1. 1 SDI input signal split to 2 SDI sink devices.
2. Supports SD-SDI(270Mb/s), HD-SDI(1.485Gb/s), 3G-SDI(2.97Gb/s) video format.
3. Built-in cable equilibrium, clock recovery and drive.
4. Supports resolutions up to 1920x1080@60Hz.
5. Supports signal input and output distances of up to 300m for SD signals, 200m for HD signals and 100m for 3G signals.
6. Supports 5-12V wide voltage input.

III. Package

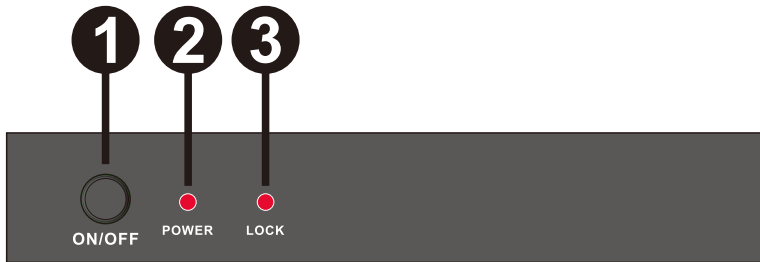
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|----|------------------------------------|------|
| 1. | 1x2 SDI Splitter ----- | 1PCS |
| 2. | 5V1A DC Power Supply adapter ----- | 1PCS |
| 3. | Operation Manual ----- | 1PCS |

IV. Specifications

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|-----|----------------------------------|---|
| 1. | Frequency Bandwidth | 3Gbps |
| 2. | SDI Splitter Input Ports | 1 x BNC Female input port |
| 3. | SDI Splitter Output Ports | 2 x BNC Female output ports |
| 4. | Power Supply | DC 5V 1A |
| 5. | ESD Protection Human Body Model: | $\pm 8\text{kV}$ (air-gap discharge)
$\pm 4\text{kV}$ (contact discharge) |
| 6. | Dimensions (mm) | 70(W) X 145 (D) X 25 (H) |
| 7. | Weight | 320g |
| 8. | Operating Temperature | $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ / $32^{\circ}\text{F} \sim 104^{\circ}\text{F}$ |
| 9. | Storage Temperature | $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ / $-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$ |
| 10. | Relative Humidity | 20 ~ 90% RH (Non-condensing) |
| 11. | Power Consumption (Max) | 1.5W |

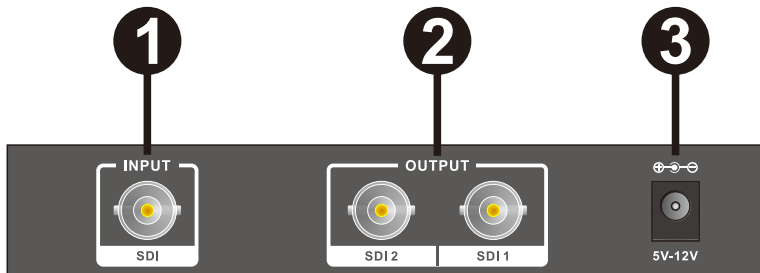
V. Operation controls and Functions

Front Panel



1. **ON/OFF:** Power on/off switch.
2. **POWER LED:** This red LED illuminate when the device is connected with power supply.
3. **LOCK LED:** This red LED illuminate when the SDI signal plug in.

Rear Panel



- 1. SDI INPUT:** This slot is where you connect the SDI source output from SDI Camera.
- 2. SDI OUTPUT:** These slots are where you connect the SDI displays or monitors with coaxial cable (RG6).
- 3. DC 5V-12V:** Plug the 5V or 12V DC power supply into the unit and connect the adapter to AC wall outlet.

VI. Application Example

