



J-TECH DIGITAL JTD-178 1X2 SDI Splitter User Manual

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User manual



1X2 SDI Splitter JTD-178 | JTDSDI0102

Thank you for purchasing the J-Tech Digital JTDSDI0102. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for

future reference.

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Introduction

The JTDSDI0102 splitter distributes 1 SDI, HD-SDI or 3G-SDI video source to 2 SDI/HD-SDI/3G-SDI displays simultaneously. This product features built-in automatic device identification and is compatible with SD-SDI, HD-SDI, 3G-SDI formats of SDI signal. The JTDSDI0104 supports 2.97Gbps bandwidth and lossless transmission over long distances.

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 formats.
- 3. Built-in cable equalization, clock recovery and drive.
- 4. Supports resolutions up to 1920×1080@60Hz.
- 5. Supports signal input and output distances of up to 984FT for SD signals, 656FT for HD signals and 328FT for 3G signals.
- 6. Supports 5-12V wide voltage input.

Package

- 1. 1×2 JTDSDI0102 Splitter ----- 1PCS
- 2. 5V1A DC Power Supply Adapter ----- 1PCS
- 3. Operation Manual ----- 1PCS

Specifications

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:	± 8kV (air-gap discharge) ± 4kV (contact discharge)
6. Dimensions (W x D x H)	2.75in x 5.70in x 0.98in
7. Weight	350g
8. Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
9. Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
10. Relative Humidity	20 ~ 90% RH (Non-condensing)
11. Power Consumption (Max)	1.5W

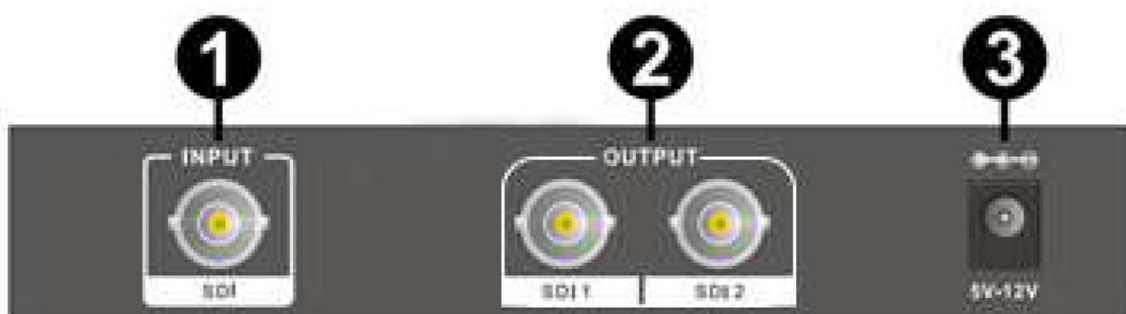
Operation Controls and Functions

Front Panel



1. **ON/OFF:** Power on/off switch.
2. **POWER LED:** This red LED illuminates when the device is connected to the power supply.
3. **LOCK LED:** This red LED illuminates when the SDI signal is detected.

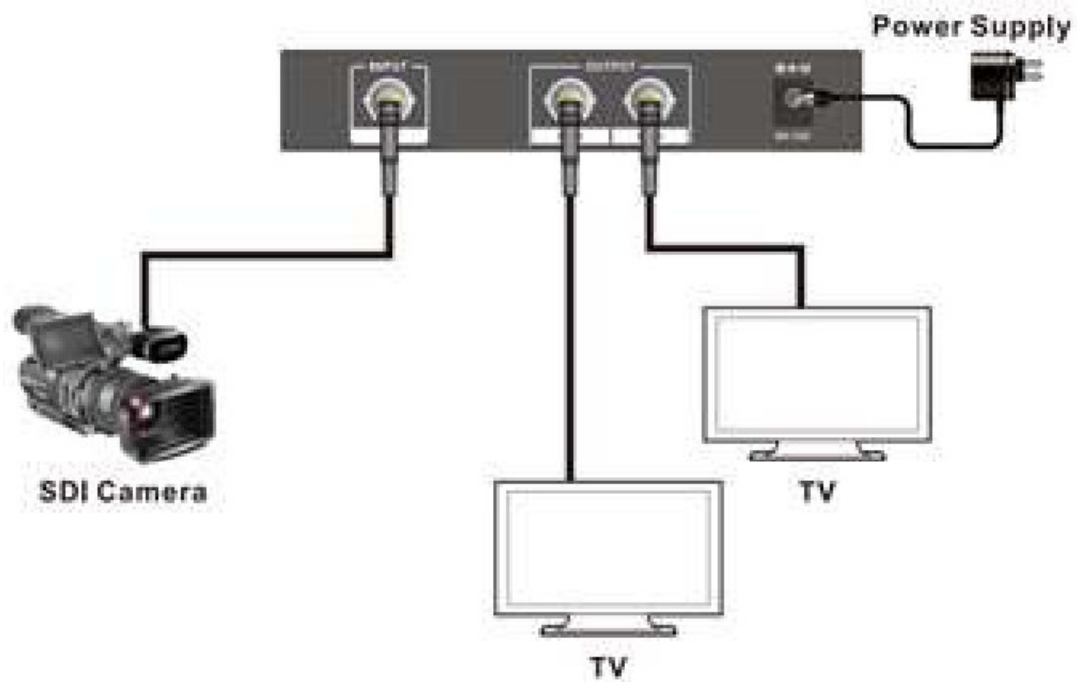
Rear Panel



1. **SDI INPUT:** Use this port to connect the SDI source output from SDI Camera.
2. **SDI OUTPUT:** Use these ports to 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.

Application Example



www.jtechdigital.com

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Documents / Resources



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