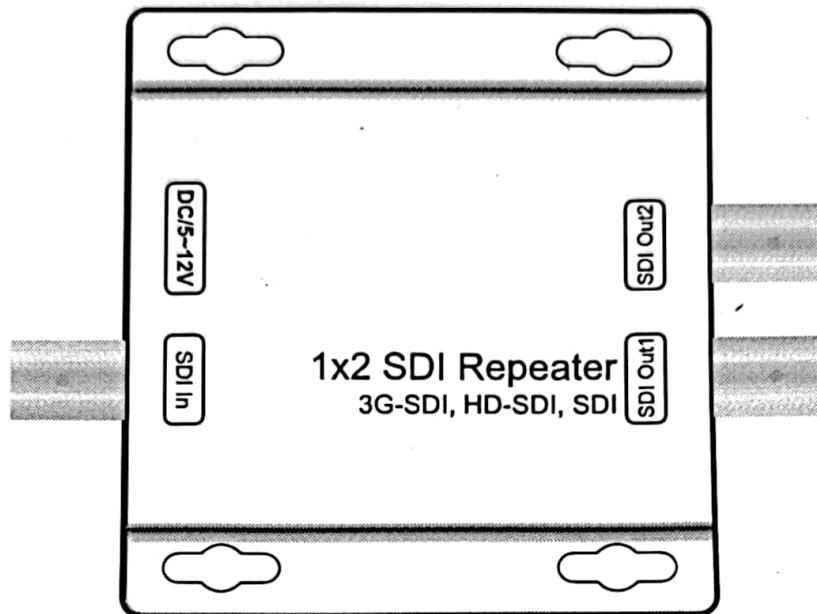


## SD/HD/3G-SDI 1 to 2 Distribution Amplifier & Repeater

### Operating Instruction



### Dear Customer

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.

### Features

- 1) Distributes 1 SDI input to 2 SDI outputs simultaneously
- 2) Single unit can transmit up to 120m/390ft (Belden 1694A)
- 3) Re-clocking function capability---unlimited repeater connection
- 4) Support SDI Standard :SD-SDI,HD-SDI, 3G-SDI
- 5) Data Rates: 270Mbps(SD-SDI), 1.485Gbps (HD-SDI), 2.97Gbps (3G-SDI)
- 6) Signal Type: SMPTE 292M, SMPTE 259M, SMPTE 424M
- 7) DC 5V1A (Power consumption less than 2W)
- 8) With mounting ears

### NOTICE

Our company reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

## Specifications

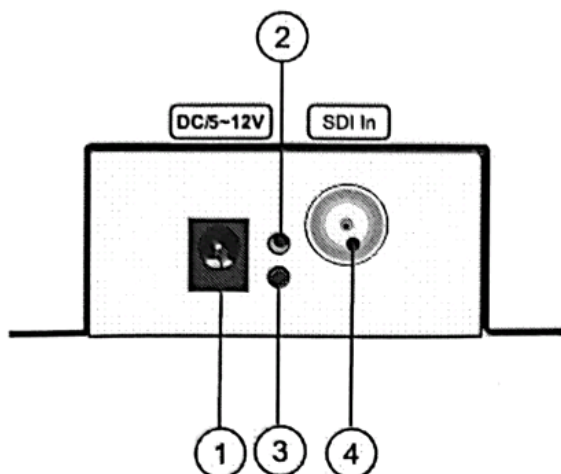
<b>Re-clocking Function</b>	Yes
<b>SDI Standards</b>	SD-SDI, HD-SDI,3G-SDI
<b>HD/SD-SDI Detection</b>	Auto
<b>Supported Protocols</b>	SMPTE 259M SMPTE 292M SMPTE 424M
<b>Data Rates</b>	270Mbps(SD-SDI), 1.485Gbps (HD-SDI), 2.97Gbps (3G-SDI)
<b>Video Support</b>	480i@60hz, 720p@50/59.94/60hz, 1080i@50/59.94/60hz, 1080p@23.98/24/25/29.97/30/50/59.94/60hz
<b>SDI Signal Type</b>	SMPTE-292M, SMPTE-259M, SMPTE-424M
<b>Output Impedance</b>	75 ohms
<b>Cable Equalization</b>	HD-SDI up to 120m SD-SDI up to 200m Unlimited repeater connection
<b>Audio Sampling rate</b>	48Khz
<b>Impedance</b>	75 ohms
<b>Input</b>	1x BNC [SDI]
<b>Output</b>	2x BNC [SDI]
<b>Power Adapter</b>	5V1A DC
<b>Power Consumption(Max)</b>	2W
<b>Dimension(LxWxH)</b>	L75xW85xH30mm
<b>Operating Temperature</b>	0°C ~ 40°C / 32°F ~ 104°F
<b>Storage Temperature</b>	-20°C ~ 60°C / -4°F ~ 140°F
<b>Relative Humidity</b>	20~90% RH (no condensation)
<b>Housing Material</b>	Metal case

## Package Contents

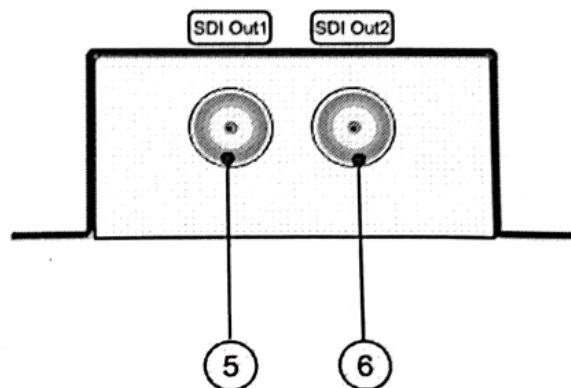
- 1x2 SDI Splitter & Repeater
- 5V1A DC power adaptor
- User Manual

## PANEL DESCRIPTIONS

Left Side View



Right Side View



- 1) DC 5V1A
- 3) Red indicator of power input
- 5) SDI output1

- 2) Green indicator of source status
- 4) SDI input
- 6) SDI output2

### Connecting and Operating

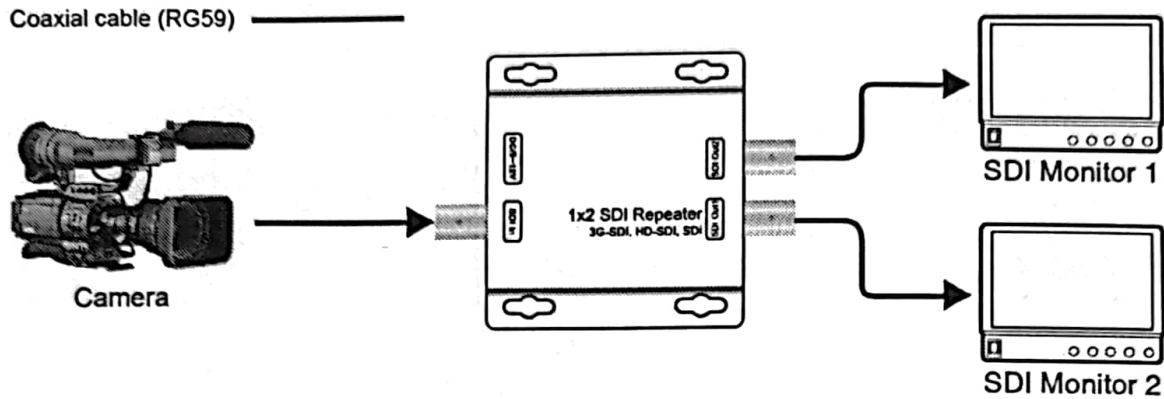
1. Connect a camera or other device equipped with SDI output to 1x2 SDI repeater input.
2. Connect devices equipped with SDI input (e.g monitors or video processors) to the 1x2 SDI repeater outputs.
3. Plug power adapter into power jack.



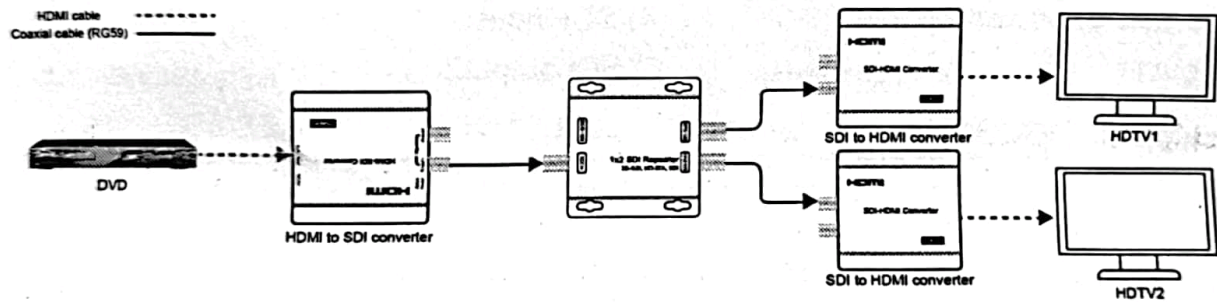
- Note 1) This item can also work with our HDMI to SDI converter and SDI to HDMI converter.
- 2) We suggest you use cable with Belden 1694A.
  - 3) The distance depends on the quality of the SDI signal from the HD Camera source and also the coax cable & connector.

## Typical Application

### (1) Distribute one SDI input to 2 SDI output



### (2) Connect with HDMI to SDI converter and SDI to HDMI converter



### (3) Repeater connection

