

### Overview:

The 3G-SDI 1x4 Splitter (500719) allows one (1) 3G/HD/SD-SDI source to be distributed and amplified to up to four (4) 3G/HD/SD-SDI displays. The splitter supports up to 1080p video, including 480i (SD-SDI), 720p/1080i (HD-SDI), and 1080p (3G-SDI). The device automatically detects the 3G/HD/SD-SDI signal and re-clocks and regenerates the signal at the output for extending distances between source and displays.



### Applications:

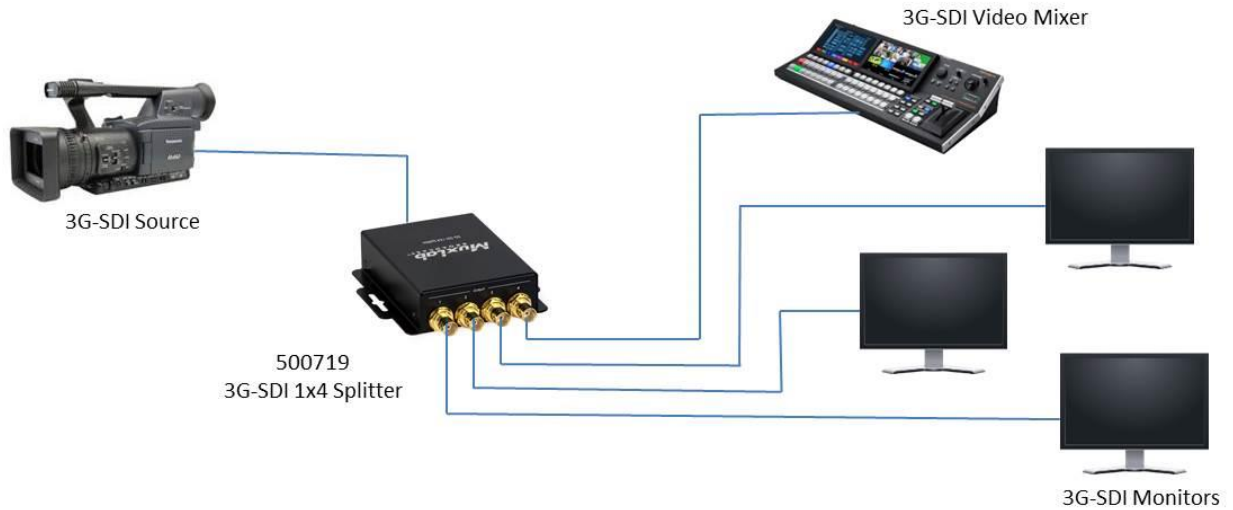
- Video production
- Post production
- Broadcasting
- Studio to Studio
- Live event
- Mobile video
- Medical imaging display

### Key Features:

- Distribute one 3G-SDI source to four displays
- Supports up to 1080p @ 60Hz, including 3G/HD/SD-SDI
- Automatically detects re-clocks and regenerates the 3G/HD/SD-SDI signal
- LED diagnostic

Specifications	
<b>Environment</b>	3G-SDI, HD-SDI & SD-SDI.
<b>Devices</b>	Camera, projectors, monitors, TV.
<b>Transmission</b>	Transparent to the user.
<b>Detection</b>	Auto Detection of the 3G/HD/SD-SDI Signal.
<b>Bandwidth</b>	2.97Gbps & 2.97/1.001Gbps
<b>Data Rates</b>	270,1483 and 1485Mbps
<b>Output Impedance</b>	75Ω
<b>Signals</b>	SDI protocol.
<b>Supported Resolution</b>	3G-SDI: 1080p50/59.94/60Hz (4:2:2) HD-SDI: 1080p/23.98/24/25/29.97/30Hz 720p/50/59.94/60Hz 1080i/50/59.94/60Hz SD-SDI: NTSC (59.94Hz), PAL (50Hz)
<b>Audio</b>	Up to 8 Audio Channels.
<b>Ancillary Data</b>	Supported
<b>Input Signal</b>	3G-SDI: SMPTE 424M, 425M HD-SDI: SMPTE 292M, 296M SD-SDI : SMPTE 259M, 344M
<b>Connectors</b>	One (1) BNC Female 75 Ohms, Gold Plated for input. four (4) BNC Female 75 Ohms, Gold Plated for outputs. One (1) Locking Barrel Jack 2.1mm Power Connector. <i>Note: RG59 coaxial cables not included.</i>
<b>Cable Equalization</b>	3G-SDI up to 300ft (90m) HD-SDI up to 500ft (150m) SD-SDI up to 1000ft (300m)
<b>Cable</b>	RG-59 or better cable required.
<b>Power Supply</b>	One (1) 110-240V/5VDC power supply with interchangeable blades.
<b>Power Consumption</b>	10.0 Watt (Max)
<b>Temperature</b>	Operating: 0° to 40°C      Storage: -20° to 60°C Humidity: Up to 90% non-condensing
<b>Enclosure</b>	Metal
<b>Dimensions</b>	4.1" x 3.1" x 1.1" (105mm x 78mm x 27mm)
<b>Weight</b>	0.7lbs (0.32kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS      Flammability: 94V0
<b>Warranty</b>	2 years
<b>Order Information</b>	500719      3G-SDI 1x4 Splitter      (UPC: 627699007198)

## Typical Application



One 3G-SDI source may be connected to up to Four (4) 3G-SDI destination devices



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