

### Overview:

The 12G-SDI 1x8 Splitter, 4K/60 (500728) allows one (1) 12G/6G/3G/HD/SD-SDI source to be distributed and amplified to up to eight (8) 12G/6G/3G/HD/SD-SDI displays. The splitter supports up to 4K (3840 X 2160) video and HD audio, including 480i (SD-SDI), 720p/1080i (HD-SDI), 1080p (3G-SDI), 4K/30 (6G-SDI) and 4K/60 (12G-SDI). The device automatically detects the 12G/6G/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 12G-SDI source to eight displays
- Supports up to 4K @ 60Hz, including 12G/6G/3G/HD/SD-SDI
- Automatically detects re-clocks and regenerates the 12G/6G/3G/HD/SD-SDI signal
- LED diagnostic

<b>Environment</b>	12G-SDI, 6G-SDI, 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 12G/6G/3G/HD/SD-SDI Signal.
<b>Bandwidth</b>	11.88bps & 11.88/1.001Gbps
<b>Data Rates</b>	1.485, 2.97, 5.96 & 11.88 Gbps
<b>Output Impedance</b>	75Ω
<b>Signals</b>	SDI protocol.
<b>Supported Resolution</b>	12G-SDI: 2160p50/59.94/60Hz (4:2:2) 6G-SDI: 2160p23.98/24/25/29.97/30Hz (4:2:2) 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>	12G-SDI : SMPTE ST2082 6G-SDI : SMPTE ST2081 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. Eight (8) 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>	12G-SDI up to 230ft (70m) 6G-SDI up to 330ft (100m) 3G-SDI up to 594ft (180m)
<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>	4.5 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>	4.80" x 2.04" x 0.98" (122mm x 52mm x 25mm)
<b>Weight</b>	1.07lbs (0.49kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS      Flammability: 94V0
<b>Warranty</b>	2 years
<b>Order Information</b>	500728      12G-SDI 1x8 Splitter, 4K/60      (UPC: 627699007280)

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## Typical Application

