Overview:
The 12G-SDI 1x4 Splitter, 4K/60 (500727) allows one (1) 12G/6G/3G/HD/SD-SDI source to be distributed and amplified to up to four (4) 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 four 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

### Environment
- 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI & SD-SDI.

### Devices
- Camera, projectors, monitors, TV.

### Transmission
- Transparent to the user.

### Detection
- Auto Detection of the 12G/6G/3G/HD/SD-SDI Signal.

### Bandwidth
- 11.88Gbps & 11.88/10.00Gbps

### Data Rates
- 1.485, 2.97, 5.96 & 11.88 Gbps

### Output Impedance
- 75Ω

### Signals
- SDI protocol.

### Supported Resolution
- 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: 1080p23.98/24/25/29.97/30Hz
- 720p/50/59.94/60Hz
- 1080i/50/59.94/60Hz
- SD-SDI: NTSC (59.94Hz), PAL (50Hz)

### Audio
- Up to 8 Audio Channels.

### Ancillary Data Supported
- SMPTE 259M, 344M

### Input Signal
- 12G-SDI: SMPTE ST2082
- 6G-SDI: SMPTE ST2081
- 3G-SDI: SMPTE 424M, 425M
- HD-SDI: SMPTE 292M, 296M
- SD-SDI: SMPTE 259M, 344M

### Connectors
- 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.
  - Note: RG59 coaxial cables not included.

### Cable Equalization
- 12G-SDI up to 230ft (70m)
- 6G-SDI up to 330ft (100m)
- 3G-SDI up to 594ft (180m)

### Cable
- RG-59 or better cable required.

### Power Supply
- One (1) 110-240V/5VDC power supply with interchangeable blades.

### Power Consumption
- 3.0 Watt (Max)

### Temperature
- Operating: 0° to 40°C
- Storage: -20° to 60°C
- Humidity: Up to 90% non-condensing

### Enclosure
- Metal

### Dimensions
- 3.19” x 1.61” x 0.95” (81mm x 41mm x 24mm)

### Weight
- 0.37lbs (0.17kg)

### Compliance
- Regulatory: FCC, CE, RoHS
- Flammability: 94V0

### Warranty
- 2 years

### Order Information
- 500727 12G-SDI 1x4 Splitter, 4K/60 (UPC: 627699007273)
Typical Application

One 12G-SDI source may be connected to up to Four (4) 12G-SDI destination devices.