**Overview:**

The 12G-SDI 1x8 Splitter, 4K/60 (500728) allows one (1) 12G/6G/3G/HD/SD-SDI source to be distributed and amplified 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

**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**
- 11.88bps & 11.88/1.001Gbps

**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: 1080p60/59.94/60Hz (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

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

**Connectors**
- 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.
  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**
- 4.5 Watt (Max)

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

**Enclosure**
- Metal

**Dimensions**
- 4.80" x 2.04" x 0.98" (122mm x 52mm x 25mm)

**Weight**
- 1.07lbs (0.49kg)

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

**Warranty**
- 2 years

**Order Information**
- 500728: 12G-SDI 1x8 Splitter, 4K/60 (UPC: 627699007280)
Typical Application

12G-SDI Source

12G-SDI Video Mixer

12G-SDI 1x8 Splitter

12G-SDI Monitors

12G-SDI Monitors

12G-SDI Monitors

12G-SDI Monitors

12G-SDI Monitors

12G-SDI Video Mixer