The BG-DA-12GS1X2 is a 1x2 12G-SDI splitter. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source to two SDI outputs simultaneously. If you need to connect additional display for video feed monitoring or distribute 4K signal to a long distance - this product is what you need.

Each output from the BG-DA-12GS1X2 is buffered independently and re-clocked. This helps to eliminate signal disruption and makes it possible to extend the transmission at much greater distances.

With automatic input cable equalization, higher quality can be provided at 70m (230 ft) for 12G-SDI signal. For 6G connections, the range is up to 100m (330 ft), and up to 180m (594 ft) with 3G connections.

FEATURES

• Dual Outputs – Increased connectivity

• LED Indicators – Signal lock and video rate at a glance

• Buffered and re-clocked outputs – Eliminate jitter and increase transmission distance

• Interlocked Power Supply – Ensures power stays connected

• Automatic input cable equalization – Up to 180 meters @ 3G

• Rugged Design – Built to last for years of operation
Specifications

**Technical**

SDI standard: SD/HD/3G/6G/12G-SDI  
Multi-Rate Support: Auto detection of SD, HD, 3G, 6G or 12G Signals  
SDI Data rates: 1.485 / 2.97 / 5.94 / 11.88 Gbps  
Video bandwidth: [11.88Gbps & 11.88/1.001Gbps]  
Output impedance: 75Ω  
Reclocking: Yes  
Cable equalization: [12G] up to 70m (230ft); [6G] up to 100m (330ft); [3G] up to 180m (594ft)  
Audio support: Yes  
RP-198 pathological patterns: Immune  
PCB stack-up: 4-layer board [impedance control — differential 100Ω; single 75Ω]  
Input: 1x BNC [SDI]  
Output: 2x BNC [SDI]  
BNC connector: 75Ω inter-locked socket  
Eye pattern characteristics [12G]: Amplitude: Within 800mV (<10%) Rise/Fall time: Less than 35ps; Timing jitter: <1.0 UI (10Hz to 1188MHz); Alignment jitter: <0.3 (100KHz to 1188MHz)

**Mechanical**

Housing: Metal enclosure  
Dimensions [L x W x H]: Model: 3” x 1.7” x 1.1” [77 x 42 x 28 mm]; Package: 6.4” x 4.4” x 1.7” [165 x 111 x 42mm];  
Carton: 1’6” x 1’4” x 13.8” [490 x 426 x 352mm]  
Weight: Model: 3.1 oz [89g]; Package: 0.7 lbs [316g]  
Fixedness: Wall-mounting case  
Power supply: 5V 2A DC  
Power consumption: 2.5 Watts [max]  
Operation temperature: 32-104°F / 0-40°C  
Storage temperature: -4-140°F / -20-60°C  
Relative humidity: 20-90% RH [no condensation]

Industry-Leading Warranty & Support

BZBGear Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.