The BG-DA-12GS1X8 is a 1x8 12G-SDI splitter and distribution amplifier. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source to up to eight SDI outputs simultaneously. If you need to connect additional displays for video feed monitoring or distribute 4K signals a long distance - this product is what you need.

Each output from the BG-DA-12GS1X8 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

• Eight 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 & 11.88/1001Gbps]
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: 8x 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: 5.2” x 2.1” x 1.1” [133 x 53 x 28 mm]; Package: 7.8” x 5.4” x 2.9” [198 x 137 x 74 mm]; Carton: 14”x1’3” x 11.8” [420 x 400 x 300 mm]
Weight: Model: 7 oz [198g]
Package: 0.9 lbs [425g]
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.