

BG-DA-12GS1X4

12G-SDI / 6G-SDI / 3G-SDI 1X4 Splitter

The BG-DA-12GS1X4 is a 1x4 12G-SDI splitter and distribution amplifier. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source to up to four 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-12GS1X4 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

- Four 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 Compliance: SMPTE 424M, SMPTE 292M, SMPTE 344M, SMPTE 259M, DVB-ASI, ST-2081(6G), ST2082(12G)

SDI Data rates: 1.485 / 2.97 / 5.94 / 11.88 Gbps

Video bandwidth: [11.88Gbps & 11.88/1.001Gbps]

Output impedance: 75ff

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 100ff; single 75ff]

Input: 1x BNC [SDI]

Output: 4x BNC [SDI]

BNC connector: 75ff 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: 3.6" x 1.7" x 1.1" [92 x 42 x 28 mm]; Package: 7.8" x 5.4" x 2.9" [198 x 137 x 74 mm]; Carton: 1'4"x 1'3" x 11.8" [420 x 400 x 300 mm]

Weight: Model: 4.2 oz [119g]; Package: 0.7 lbs [346g]

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.

