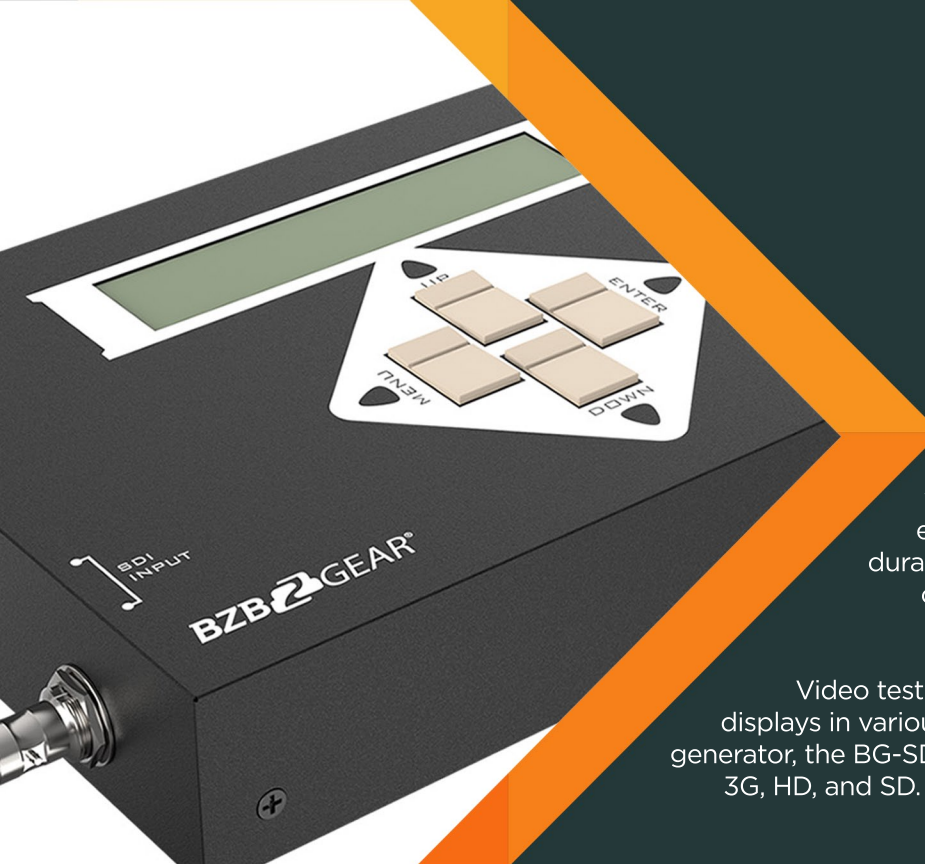


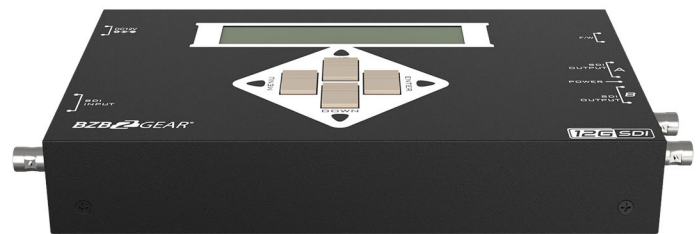
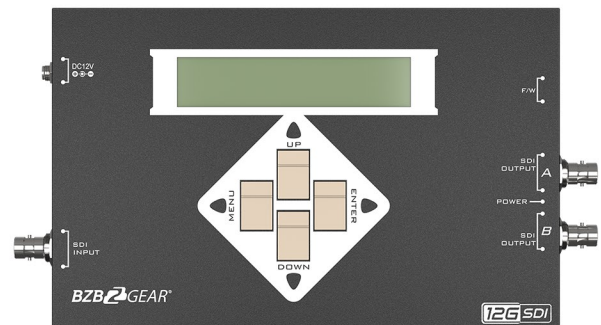
BG-SDITPG**12G/6G/3G/HD/SD-SDI Video Test Pattern Generator/Tester and Analyzer**

The BG-SDITPG is a 12G-SDI test pattern generator that can generate test signals at resolutions up to 3840x1260@60Hz. Designed for video production environments, the BG-SDITPG is an essential part of any video crew's toolkit. Encased in a durable metal housing, this unit is equipped with carefully chosen still and moving test patterns that allow video engineers to quickly test SDI equipment and cabling.

Video test pattern generators can help AV technicians fine tune displays in various categories in the field. As an advanced SDI pattern generator, the BG-SDITPG supports multiple SDI formats such as 12G, 6G, 3G, HD, and SD. It also multi-pattern support to test different kinds of display characteristics.

**FEATURES**

- Ultra HD refers to a TV resolution of 3840 x 2160 pixels
- 12G, 6G, 3G, HD, SD formats
- 8 Channel AES Compliant @48KHZ
- Simultaneous 12G SDI outputs
- 4 simple buttons access all functions
- Locking PSU: Prevents accidental disconnection
- Multiple Patterns - Choose from multiple still and moving test patterns



Specifications

Role of usage: Pattern generator

SDI standards: 12G/6G/3G/HD/SD-SDI

Auto SDI rate detection: Yes

Supported protocols: SMPTE 259M (270Mbps / 360Mbps) SMPTE 292M / HDTV (1.485 & 1.485/1.001Gbps) SMPTE 424/425M (2.97 & 2.97/1.001Gbps) SMPTE ST-2081 (5.94&5.94/1.001Gbps) SMPTE ST-2082 (11.88&11.88/1.001Gbps)

Video bandwidth: 11.88Gpbs

Data rates: 143 / 270 / 1483 / 1485 / 2967 / 2970 / 5934 / 5940 / 11868 / 11880 Mbps

Video support: [12G] 4K2K@50/59.94/60 [6G] 4K2K@23.97/24, 25, 30 [3G] 1080p@50/59.94/60 (4:2:2) [HD] 720p@50/59.94/60, 1080p@24/30, 1035i@50/59.94/60, 1080i@50/59.94/60 [SD] NTSC@59.94Hz, PAL@50Hz

SDI signal type: SMPTE-292M / 259M / 424M / ST-2081 / ST-2082

Output impedance: 75W

Cable (Belden 1694A) equalization / transmission: [12G-SDI] up to 50m (165ft) / [6G-SDI] up to 100m (330ft) / [3G-SDI] up to 200m (660ft)

Audio support: Yes

PCB Stack-up: 6-layer board [impedance control — differential 100W; single 75W]

Output: 2x BNC [SDI]

BNC connector: 75W interlocking socket

[HD] Eye pattern characteristics: Amplitude: Within 800mV <10% Long time jitter <1.0 UI Rise overshoot: Less than 2% Timing jitter <1.0 UI Fall overshoot: Less than 2% Alignment jitter <0.2 UI

MECHANICAL

Housing: Metal enclosure

Dimensions [L x W x H]: Model: 5.9" x 7.5" x 1.3" [150 x 190 x 32mm]; Package: 10.3" x 6.7" x 3.8" [263 x 170 x 97mm]; Carton: 17" x 12' x 11.3" [512 x 364 x 288mm]

Weight: Model: 1.5 lbs [660g]; Package: 2.8 lbs [1260g]

Fixedness: Interlocking power supply

Power supply: 12V 2A DC

Power consumption: 8 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.

