



BG-SDITPG-G2

4K UHD 12G SDI VIDEO G2 TEST PATTERN GENERATOR (SUPPORT 12G/6G/3G/HD/SD-SDI)

Introducing the BG-SDITPG-G2 12G/6G/3G/HD/SD-SDI Pattern Generator, the ultimate tool for SDI pattern generation and testing. This state-of-the-art device offers multi-format support for 12G/6G/3G/HD/SD and a wide range of test patterns, making it an essential tool for professionals in broadcasting, professional AV, and related industries.

The BG-SDITPG-G2 features a comprehensive set of video test patterns, including still and moving patterns, as well as audio support (SMPTE-291M) with up to 8 channels of AES-compliant audio at a 48KHz sample rate. With this generator, you can calibrate and test SDI-enabled video devices and displays with ease and precision.

Designed for intuitive operation, the BG-SDITPG-G2 comes equipped with four buttons, a rotary switch, and an LCD screen, ensuring effortless control and management. Its user-friendly interface allows for quick access to various features, making it a cost-effective solution for all your SDI pattern generation needs.



Whether you're working with NTSC, PAL, 720p, 1080i, 1080p, or even 4K2K resolutions, the BG-SDITPG-G2 supports a wide range of output resolutions and bit rates. It delivers reliable performance and supports 10-bit color space, ensuring accurate and high-quality signal testing.

FEATURES



MULTI-FORMAT SUPPORT

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



MULTI-PATTERN FUNCTIONALITY

Still and moving video test patterns



AUDIO SUPPORT

Up to 8 channels of AES-compliant audio at 48KHz sample rate (SMPTE-291M)



INTUITIVE CONTROLS

Four buttons, rotary switch, and LCD screen



EASY SAVING

Save settings to memory



PRESET SUPPORT

Supports preset modes for added convenience



TECH SPECIFICATIONS

Technical

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	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] 720p50/59.94/60, 1080p24/30, 1035i50/59.94/60, 1080i50/59.94/60 [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	4x 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



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.

