

SDI/HD-SDI Video Test Signal Generator



Features

- Low Cost, High Quality
- Portable, Lightweight
- Rack Mount or Stand Alone
- Dual Coaxial Outputs
- Optional Dual Fiber Outputs
- Intuitive Interface
- 7 HDTV Formats
- 6 SDTV Formats
- 4 Essential Test Patterns

Works where you need it—in the field, on fiber & coax!

The new SG5070 SDI-HD/SDI video signal generator provides broadcasters with an affordable tool for testing fiber and copper coaxial paths and identifying signals in the field. Capable of producing four different video test patterns in 7 HD formats and 6 SD formats, the SG5070 generator is an important member of the Viper™ II modular system family.

Small Size - Big Features

Only the SG5070 gives you two BNC outputs, as well as two fiber optic outputs. And with your choice of multiple patterns and formats, you can troubleshoot in any production environment, whether TV sports, studio work or digital cinema. Use it in your Viper II frame, or by itself as a stand alone diagnostic tool.

Test Patterns

Color Bars



Pathological - EQ



Pathological - PLL



Black



The SG5070 provides the essential test patterns you need to verify your fiber and copper transport and distribution paths, in any standard format. See list at right.

Easy troubleshooting in the field. Identify fibers or monitors, verify entire installations and ensure that your system is working to its full potential. Multiple outputs can serve multiple needs.

Two buttons on the module faceplate control the signal being generated. The top button toggles between HD and SD, as well as several SMPTE standards, progressive scan or interlaced and various frame rates. The lower button selects one of four available test patterns: *bars, pathological EQ & PLL, and black*. Built in memory recalls the last pattern displayed. Simple operation in a convenient, low cost package.

Specification	Format	Frame Rate	Lines	Samples
SMPTE 344M	SDTV-54	60i	525	2880
SMPTE 267M	SDTV-36	60i	525	1920
SMPTE 125M	SDTV-27	60i	525	1440
ITU-R BT 601.5	SDTV-54	50i	625	2880
ITU-R BT 601.5	SDTV-36	50i	625	1920
ITU-R BT 601.5	SDTV-27	50i	625	1440
SMPTE 274M	HD-74.25	30i	1080	1920
SMPTE 274M	HD-74.25	30p	1080	1920
SMPTE 274M	HD-74.25	25i	1080	1920
SMPTE 274M	HD-74.25	25p	1080	1920
SMPTE 295M	HD-74.25	25i	1080	1920
SMPTE 274M	HD-74.25	24p	1080	1920
SMPTE 296M	HD-74.25	60p	720	1280

Applications

- Rapid Response Signal Diagnostics
- Field Installation & Support
- Venues & Backbone Infrastructures
- Fiber Continuity Checking
- Tracing & Troubleshooting

