TG-5100 Multi-Format HD-SDI Pattern Generator + Voice

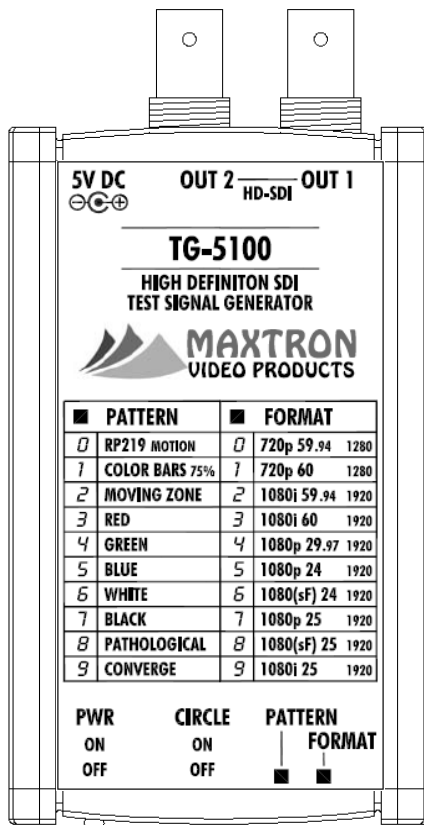**MAXTRON** VIDEO PRODUCTS

General:

Don't let the size of the TG-5100 fool you, this is a full featured, multi-pattern, multi-format, SMPTE 292M HD-SDI generator with individual 16-channel voice ID's. The embedded audio repeats the channel ID every 15 seconds, leaving no doubts or confusion about the audio channel you're monitoring. Plus, between the voice ID's there is standard level 1kHz audio for the "right" and 440Hz for the "left", permitting accurate system leveling. In addition, both the US -20dBFS and European -18dBFS levels are supported.

The pattern lineup was specifically chosen to expose system weakness and limitations. For example, a moving zoneplate is used to qualify video compression and scaling. The pathological pattern is used to stress the PLL's in the signal path. There is even the traveling wizard that moves smoothly about the screen to revel dropped or repeated frames. Then there are the classic patterns: the color bars, SMPTE RP 219 and full-field; the projector alignment and convergence grid; and the flat color fields and black. And, on top of most can be placed a thin circle to check for proper display aspect.

Physically, the TG-5100 is no toy either. It won't roll off the bench or hide under a monitor. It is mechanically sturdy in a convenient package. Patterns and formats are changed using push-wheels that always indicate the exact status of the generator, and they are not prone to being accidently changed.

Features:

- 2 SMPTE 292M compliment outputs
- 10 patterns
- 10 formats
- Full 20-bit pattern generation
- 16-Channel embedded audio with voicing
- Designed for Portable or Bench applications with lab quality
- Extremely small size - about the size of a deck of cards
- 100-240VAC to 5V DC power supply included

5V DC ⊖⊙⊕ **OUT 2** ——HD-SDI—— **OUT 1**

TG-5100
HIGH DEFINITON SDI TEST SIGNAL GENERATOR

MAXTRON VIDEO PRODUCTS

■	PATTERN	■	FORMAT	
0	RP219 MOTION	0	720p 59.94	1280
1	COLOR BARS 75%	1	720p 60	1280
2	MOVING ZONE	2	1080i 59.94	1920
3	RED	3	1080i 60	1920
4	GREEN	4	1080p 29.97	1920
5	BLUE	5	1080p 24	1920
6	WHITE	6	1080(sF) 24	1920
7	BLACK	7	1080p 25	1920
8	PATHOLOGICAL	8	1080(sF) 25	1920
9	CONVERGE	9	1080i 25	1920

PWR ON OFF **CIRCLE** ON OFF **PATTERN** **FORMAT**

Patterns:

- RP219 with Motion
- Full Field 75% Color bars
- Moving Zoneplate
- Red
- Green
- Blue
- White
- Black
- Pathological
- Convergence

Formats:

- 720p59.94
- 720p60
- 1080i59.94
- 1080i60
- 1080p29.97
- 1080p24
- 1080sF24
- 1080p25
- 1080sF25
- 1080i25