



# 3G-TPG

3G/HD/SD-SDI TEST PATTERN GENERATOR



## PRODUCT FEATURES

- 3G-SDI, HD-SDI or SD-SDI Output (26 Formats in total)
- 54 Test Patterns including Luma and Chroma Zoneplates.
- Embedded Audio Test Generator featuring:
  - All 8 stereo pairs (16 channels or 4 groups)
  - Adjustable frequency from 1 to 20,000Hz in steps of either 1, 10, 100 and 1kHz steps
  - Amplitude adjustment from 0 to -100dBFS
  - Broken or unbroken tone on either channel
  - 24-bit Audio for HD and 20-bit Audio for SD
- Up to 20 characters of on-screen text
- EDH (Error Detection and Handling for SD)
- High quality stainless steel case
- Superior quality 3G rated US made Bomar connectors
- Low Power operation from either +5V DC mains or 3 x AA batteries (Operates up to 8 hours from 2500mAh NiMH)
- Automatic Power-down mode when running from Battery

## SPECIFICATIONS

<b>VIDEO FORMATS</b>	3G: SMPTE 424M@2.97 and 2.967Gb/s • 1080p@60/59.94/50Hz HD: SMPTE 292M/274M/296M@1.485 and 1.435Gb/s • 1080i@60/59.94/50Hz • 1080p/psf@30/29.97/25/24/23.98Hz • 720p@60/59.94/50/30/29.97/25/24/23.98Hz SD: SMPTE 259M@270Mb/s • 625i50 • 525i59.94	<b>TEST PATTERNS</b>	SMPTE HD Bars, Bars 100/0/100/0, Bars 100/0/75/0, Bars 75/0/75/0, Bars 100% & Red, SMPTE EG 1 Bars, Path Equalizer & PLL, Square on 4:3 Mon., Square on 16:9 Mon., 5 Step Y Staircase, 5 Step UV Staircase, Y Sweep, UV Sweep, Y Multiburst, UV Multiburst, Y Ramp, UV Ramp, Pluge, Convergence, Tartan Bars, 1 Field in 8 White, White 100%, White 75%, Black, Red, Yellow, Green, Blue, Magenta, Cyan, Y Static X ZP/L, Y Static X ZP/H, Y Static Y ZP, Y Moving Left X ZP, Y Moving Right X ZP, Y Moving Up Y ZP, Y Moving Down Y ZP, Y Moving Up XY ZP, Y Moving Down XY ZP, Y Static C ZP, Y Moving In C ZP, Y Moving Out C ZP, UV Static X ZP/L, UV Static X ZP/H, UV Static Y ZP, UV Moving Left X ZP, UV Moving Right X ZP, UV Moving Up Y ZP, UV Moving Down Y ZP, UV Moving Up XY ZP, UV Moving Down XY ZP, UV Static C ZP, UV Moving In C ZP and UV Moving Out C ZP
<b>POWER</b>	• +5V DC, 1.8 Watts • Positive Centre Pin	<b>OUTPUTS</b>	• 2 x 10-bit 4:2:2 3G/HD/SD-SDI
		<b>DIMENSIONS</b>	2.58" x 4.86" x 0.94" or (65.5mm x 123.5mm x 24mm)

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