

**“ prepare to be amazed...
three 3G products in one...”**

Signal Generator

3G, Dual-link, HD, SD, and DVI. Frame/Line patterns

Signal Monitor

Any SDI pixel mapped to 1920 x 1080p DVI output

Signal Converter

Seamlessly translates between SDI over copper, fibre and DVI

Characteristics

- Lightweight rugged unit ideal for portable applications
- Best-in-class return loss and jitter performance
- PC or laptop driven operation
- Engineers bench tool
- Optional audio monitoring
- Single or multi mode fibre option
- Web browser interface for control monitoring
- 3G capable BNCs (dual link enabled)
- Ethernet interface
- 1UR rackmount version

Applications

- Professional test / development environments
- Latest 3G market
- Emerging 3D developments
- Pro A/V market
- Home cinema

Main Features:

Any SDI broadcast signal to pixel-mapped DVI

Test Pattern Generator

3G, HD, SD, Dual-link

Full HD Frame and Line Patterns

Zone Plate Generator

Download Patterns

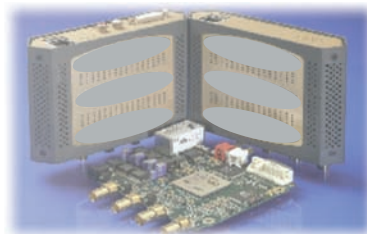
Standard TCP/IP Interface

3G Fibre Option

2 x Multirate BNC Outputs

Low Power and Low Jitter using Virtex5

Most versatile 3G Lab Tool available



EV3Genie

Developed specifically for test and evaluation of broadcast equipment, the EV3Genie test signal generator is much more than a test signal generator. There are 3 key elements to the EV3Genie: Signal Generation, Signal Monitoring and Signal Conversion.

EV3Genie is supplied with loaded test patterns in 3G, HD and SD. Patterns can be downloaded via TCP/IP connection to PC or laptop. Users can create their own patterns and download as Abekas format YUV files.

EV 3Genie will convert from any SDI broadcast format to a pixel-mapped 1080p DVI output. No scaling or temporal interpolation is applied to the signal to guarantee signal integrity. The DVI output can display test signals or any input signal applied to the unit.

EV 3Genie seamlessly translates between broadcast standards over copper, fibre and DVI. For example, a SMPTE 372M dual-link signal may be monitored using the DVI output whilst being simultaneously translated into a 3G-SDI 425M-B signal and a 3G fibre output.

SPECIFICATIONS

INPUTS:	2-off BNC Multi-rate 3G-SDI capable Single-Mode Fibre Option SFP
OUTPUTS:	2-off BNC Multi-Rate 3G-SDI capable Single DVI Digital Audio SPDIF Single-Mode Fibre Option SFP
FORMATS:	SMPTE 372M/425M SMPTE 274M (1080P) SMPTE 292M (HD) SMPTE 259M (SD)
RETURN LOSS/JITTER CABLE LENGTH	As per SMPTE 292M/424M Belden 1694A 150M (292M), 10M (424M)
POWER CONNECTOR:	Locking 2.1mm jack
POWER REQUIREMENT:	12W Max with external 12V PSU
DIMENSIONS: WEIGHT:	W145 D140 H37MM 425 grams
AUDIO:	AES Embedded
VIDEO PROCESSING:	10-bit YCbCr
CONTROL/MONITORING:	10 baseT server with resident web page and browser

3G Signal Generator / Monitor / converter

Electronic Visuals Limited
20 Ferry Lane
Wraysbury
Staines
Middlesex
TW19 6HG
United Kingdom

Tel: +44 (0) 1784 483311
Fax: +44(0) 1784 483918
Email: info@electronic-visuals.com
Web: www.electronic-visuals.com

 **ELECTRONIC
VISUALS**



In line with its policy of continuous product development, Electronic Visuals reserve the right to modify specifications without notice.