



**PHABRIX®**  
*broadcast excellence*



**PHABRIX® SxA**  
Generator/Analyser/Monitor  
AES



## **PHABRIX® SxA: The World's first 3G-SDI, HD-SDI and SD-SDI portable video test signal generator, monitor and analyser.**

With its impressive 4.3" 16:9 TFT monitor and easy to control menu buttons, the PHABRIX SxA has been designed specifically for the professional broadcast engineer.

The PHABRIX SxA supports 3G-SDI, HD-SDI, SD-SDI video plus AES audio testing and monitoring - a world's first for such a product and important in an industry where technology quickly advances.

Configured with a full range of test patterns, both static and animated, the SxA is ideal for studio, OB, and lab environments operating from either the internal battery or via the included mains adaptor.

Auto Bi-level, Tri-level and SDI genlock with cross lock capability.

Combined audio features including support for 16 channels of embedded audio complete the suite of functions.

With built-in USB and Ethernet connectivity for remote operation, the PHABRIX SxA sets a new standard in portable video/audio signal test generation and monitoring.

### **FEATURE HIGHLIGHTS PHABRIX SxA (AES)**

- **3 IN 1, GENERATOR/ANALYSER/MONITOR**
- 3G-SDI, HD-SDI, SD-SDI, AES
- HIGH QUALITY 16:9 PICTURE MONITOR
- SUPERIOR EASE OF USE
- 32 + VIDEO TEST SIGNALS STANDARD
- MOVING ZONE PLATE STANDARD
- TEXT AND LOGO IDENT
- 16 CHANNEL EMBEDDED AUDIO
- AUTO GENLOCK BI/TRI/SDI CROSS LOCK
- 16 CHANNEL AUDIO METERING
- WAVEFORM MONITOR
- VECTORSCOPE
- RUGGED RELIABILITY
- ETHERNET BASED REMOTE OPERATION
- BATTERY + MAINS POWER





16 Channel embedded audio testing screen

## PHABRIX® SxA 3 in 1 Generator/Analyser/Monitor

### MONITOR

Display resolution	480 x 272 pixels auto scaling
Display type	16:9 24 bit colour TFT
Display size	95 x 54 mm
Processing	All digital

### VIDEO

SDI	3G-SDI, HD-SDI, SD-SDI
Outputs	1 x 75 Ohm BNC
Inputs	1 x 75 Ohm BNC
Genlock	Bi/Tri/SDI with cross lock
Adjustable timing	0 to 1 Frame
Text Ident	Yes with font, colour, point size
Logo ident	Yes
EDH	Yes (SD-SDI)

### VIDEO TEST SIGNALS

Resolution	10 bits
Static Test patterns	32+ including full frame
User defined	DPX, YUV, TGA, BMP
Zone plate	Yes

### VIDEO INPUT/OUTPUTS

SDI bit rates	3Gbps, 1.485Gbps, 270 Mbps
Frame rate selection	Yes
SMPTÉ formats supported	See <a href="http://www.phabrix.com">www.phabrix.com</a>

### AUDIO

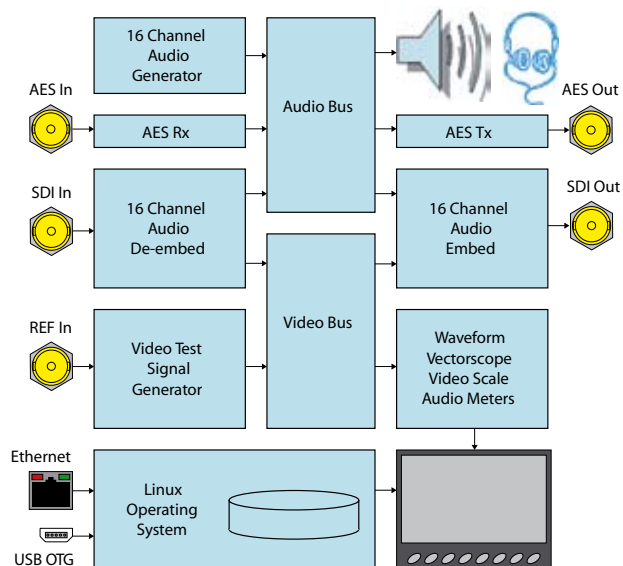
Internal speaker	0.5 watts
Audio DAC	24 bit stereo
Headphone socket	3.5 mm with auto line out
Generator/Monitor	48 kHz 20-bit (SD-SDI) 24-bit (HD-SDI)
16 channel embedded audio	Yes
AES output	1 x 75 Ohm BNC
AES input	1 x 75 Ohm BNC

### AUDIO TEST SIGNAL

Fixed tones	17
Variable tones	1Hz-24Khz in 1Hz steps
Intermittent Tone	Yes
White noise generation	Yes
Audio levels variable	0 to -100dB in 1dB steps
Audio phase invert	Yes

### GENERAL

Navigation panel	5 menu keys, 8 custom select
Integral battery supply	3 hours lithium polymer
Internal Storage	1GB (upgradable)
Remote control	Web Browser Interface
Ethernet/USB	Yes
Carry case	Included
AC power supply	Included (universal)
Security	Kensington™ lock fitting
Size	H: 92mm W: 225mm D: 42mm



Schematic of the PHABRIX SxA (AES version)



Carry case and AC power supply as standard



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\*Specifications and features described herein are subject to change without prior notice.  
Please consult our website [www.phabrix.com](http://www.phabrix.com) for the latest data.  
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### ORDERING INFORMATION

#### Hardware

PHABRIX SX-A	SDI and AES I/O
Product code	PHSXAES

#### Options

Please see separate option sheets for available engineering upgrade features.