



PHABRIX®
broadcast excellence

**3G-SDI,
HD-SDI, SD-SDI**



PHABRIX™ SxD
Generator/Analyser/Monitor
Dual Link

PHABRIX® SxD: Announcing the World's first Dual Link 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 SxD has been designed specifically for the professional broadcast engineer with dual stream requirements.

The PHABRIX SxD supports 3G-SDI, HD-SDI, SD-SDI video plus dual link support for two 1.485 Gbps SDI streams. The SxD also supports the different colour spaces 4:2:2 YUV, 4:4:4 RGB, 4:4:4 YUV, at 10/12 bit. To support each dual link standard means the SxD has two inputs and two outputs with full CRC/EDH checking on each signal and logging throughout any test procedures. Embedded audio checking is also available.

Auto Bi-level, Tri-level and SDI genlock with cross lock capability. Dual studio timing thermometers.

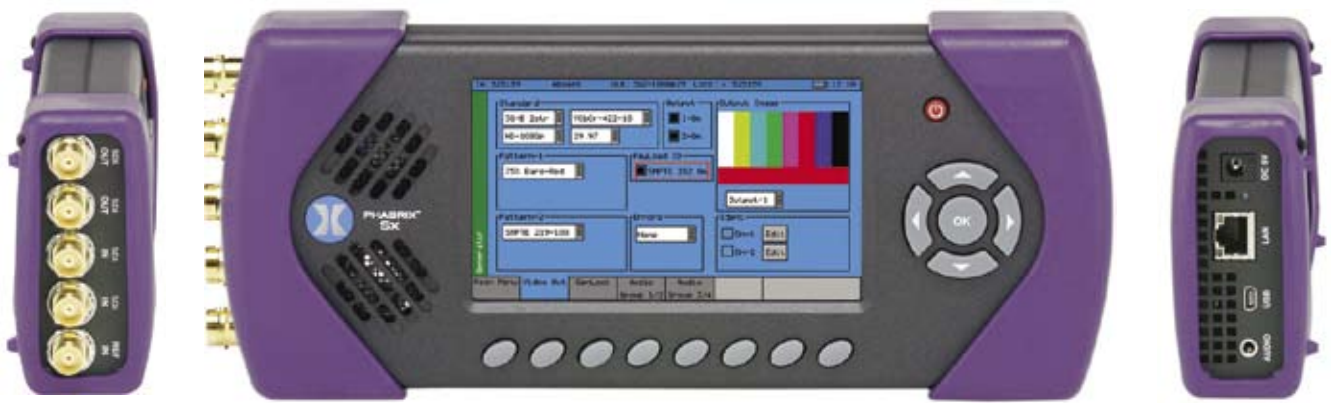
Combined audio features including support for 16 channels of embedded audio complete the suite of functions.

Configured with a full range of test patterns, both static and animated, the SxD is ideal for studio, OB, and lab environments operating from either the internal battery or via the included mains adaptor. With built-in Ethernet connectivity for remote operation, the PHABRIX SxD sets a new standard in portable video/audio signal test generation and monitoring.



FEATURE HIGHLIGHTS PHABRIX SxD (DUAL LINK)

- **3 IN 1, GENERATOR/ANALYSER/MONITOR**
- **3G-SDI, HD-SDI, SD-SDI DUAL LINK**
- **OVER 350 SUPPORTED FORMATS**
- **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 / VECTORSCOPE**
- **RUGGED RELIABILITY**
- **ETHERNET BASED REMOTE OPERATION**
- **BATTERY + MAINS POWER**



PHABRIX® SxD 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	2 x 75 Ohm BNC
Inputs	2 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	10/12 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
SMPTE formats supported	See www.phabrix.com

AUDIO

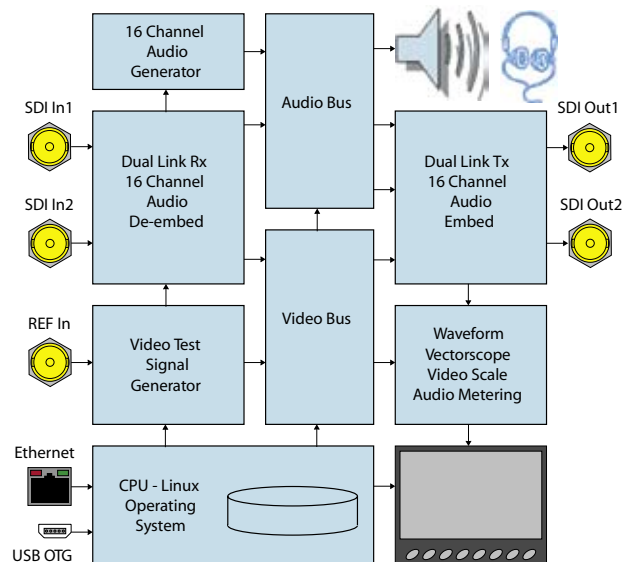
Internal speaker	0.5 watts
Audio DAC	24 bit stereo
Headphone socket	3.5 mm with auto line out
Generator/Monitor	48 kHz 20-bit (SD-SDI) 24-bit (HD-SDI)
16 channel embedded audio	Yes

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	Yes
Carry case	Included
AC power supply	Included (universal)
Security	Kensington™ lock fitting
Size	H: 92mm W: 225mm D: 42mm



Schematic of the PHABRIX SxD (Dual Link version)



Carry case and AC power supply as standard



PHABRIX™

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*Specifications and features described herein are subject to change without prior notice. Please consult our website www.phabrix.com for the latest data. PHABRIX is a registered trademark.

ORDERING INFORMATION

Hardware

PHABRIX SxD SDI and Dual I/O

Product code PHSxDL

Options

Please see separate option sheets for available engineering upgrade features.