

Leader

SxE Portable 3G/HD/SD Generation, Analysis & Video/Audio Monitoring with Advanced Physical Layer Analysis



SxE Overview

PHABRIX's SxE is a 3G-SDI, HD-SDI and SD-SDI portable video test signal generator, monitor and analyzer with advanced Physical Layer Analysis (Eye & Jitter).

With its advanced SDI physical layer analysis, the SxE is ideal for applications such as video technology manufacturing and live production. Its instant, RTE[™] (Real-Time Eye) technology speeds physical layer testing, and delivers automated measurements and logging for key parameters such as: rise time, fall time, delta, rise and fall overshoot and cable length. The Jitter analysis instrument enables an engineer to quickly analyze the nature of jitter present using a graph of jitter versus time.

The SxE offers advanced signal generation, analysis and monitoring capabilities. There's support for SMPTE compliance testing with over 350 different formats and is configured with a full range of test patterns, both static and animated. An extensive array of video and audio tools include a multi-format waveform, vectorscope and video display, plus data view and VANC/ANC inspector. Signal generation offers 32 test patterns, including pathological.

The SxE features support for 16-channel audio metering and bitstream generation and analysis of Dolby E, Dolby Digital and Dolby Digital Plus. Embed a single external 48kHz synchronous AES stream into the generated video stream, as well as extract embedded audio and export it via the AES output.

Advanced AV Delay Generation and Analysis tools offer an end-to-end solution for the measurement of Audio to Video differential delay through a broadcast system. The tool provides a realtime update of the differential delay between the video content and the selected audio channel pair to measure the propagation (latency) or pipeline delay.

With a built-in TCP/IP interface for remote control and comprehensive status logging with custom reports, the PHABRIX SxE offers unmatched ease of use for busy engineers who need to diagnose faults and assure compliance quickly.

SxE Key Features

- 3 in 1 Generator, Analyzer, Monitor
- 3G-SDI, HD-SDI, SD-SDI, AES
- Advanced Physical Layer Analysis (Eye & Jitter)
- High quality 16:9 picture monitor
- Superior ease of use
- AV delay generation and analysis
- 32+ video test signals standard
- Moving zone plate standard
- Text and logo ident
- 16 channel embedded audio
- Audio genlock Bi/Tri/SDI cross lock
- 16 channel audio metering
- Bitstream generation and analysis of Dolby E, Dolby Digital and Dolby Digital Plus
- AES Audio metering
- Waveform monitor
- Vectorscope
- Rugged reliability
- Ethernet based remote operation
- · Battery and mains power

PHABRIX SxE 3-in-1 Generator/Analyzer/Monitor with Eye/Jitter



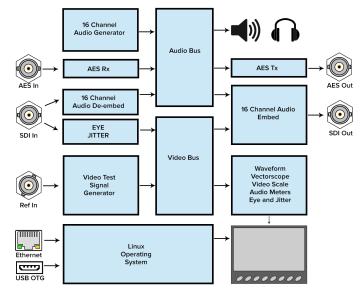


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Specifications

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EthernetYesCarry caseIncludedAC power supplyIncluded (universal)SecurityKensington lock fittingSizeH: 92mm, W: 225mm, D: 42mm	Internal storage	8GB		
Carry caseIncludedAC power supplyIncluded (universal)SecurityKensington lock fittingSizeH: 92mm, W: 225mm, D: 42mm	Remote control	Web browser interface		
AC power supply Included (universal) Security Kensington lock fitting Size H: 92mm, W: 225mm, D: 42mm	Ethernet	Yes		
Security Kensington lock fitting Size H: 92mm, W: 225mm, D: 42mm	Carry case	Included		
Size H: 92mm, W: 225mm, D: 42mm	AC power supply	Included (universal)		
	Security			
Weight 0.9Kgs	Size	H: 92mm, W: 225mm, D: 42mm		
	Weight	0.9Kgs		

Schematic of the SxE





Soft carry case and AC power supply included as standard



Ordering Information

Handheld Device

PHSXE - SxE SD/HD/3G Handheld unit with PHABRIX soft carry case

SxE Software Options

PHSXOS - Command Scripts and Reports (Repeat testing and create print report)
PHSXOSD - SDI Data Display + VANC/ANC Inspector
PHSXOR - Enhanced Remote Control integration
PHSXOZ - Advanced zone plate generator (Programmable Y zone plate)
PHSXOF - Advanced video formats + 2K (422/444, YUV/RGB, 10/12bit, SMPTE 428-9
D-Cinema/SMPTE ST 2048-2:2011)
PHSXO-DAG - Dolby E/D/D+ analysis + generation (streaming, metering, timing)
PHSXO-AVD - AV Delay Analysis
PHSXO-ENG - Engineering bundle with six options, namely PHSXOS, PHSXOSD, PHSX-OR, PHSXOZ, PHSXOF, PHSXO-DAG

Accessories

PHSXWM - Sx Wall mounting bracket

Extended Warranty

PHSX-3YEAR - 3 Year Warranty PHSX-5YEAR - 5 Year Warranty

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