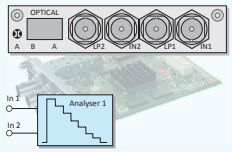
PHABRIX®
broadcast excellence

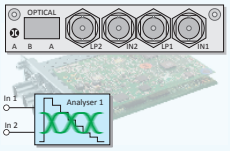
Rx Modules & Options

The following easy-to-install modules are available for the Rx2000, Rx1000 and Rx500 instruments and can be purchased via your local PHABRIX distributor. Visit www.PHABRIX.com for details.



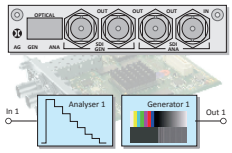
PHRXM-A

Single analyzer, dual input module allows two physically connected SDI or Optical video* signals to be monitored by a single analyser channel in the form of Picture, Vectorscope and Waveform monitor windows.



PHRXM-AE

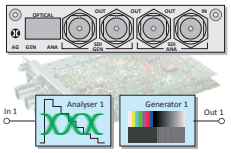
Single analyzer, dual input with Eye module allows two physically connected SDI or Optical video* signals to be monitored by a single analyser channel in the form of Picture, Vectorscope, Waveform monitor and Eye Pattern windows.



PHRXM-AG

Single analyzer, single generator module allows two SDI or Optical video* signals to be monitored by a single analyser channel in the form of Picture, Vectorscope and Waveform monitor windows.

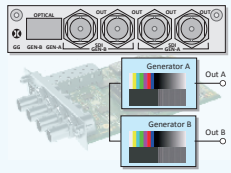
The generator provides a single video/audio signal generator that can be set to any one of 32, 10bit (12 bit**) line-based, pathological or zone plate test signals as well as user define test signals.



PHRXM-AGE

Single analyzer, single generator with Eye module allows two physically connected SDI or Optical video* signals to be monitored by a single analyser channel in the form of Picture, Vectorscope, Waveform monitor and Eye Pattern windows.

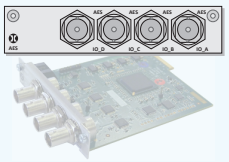
The generator provides a single video/audio signal generator that can be set to any one of 32, 10-bit (12-bit**) line-based, pathological or zone plate test signals as well as user define test signals.



PHRXM-GDL

Dual generator module allows the generation of dual SDI or Optical* video test signals for Dual Link or 3G-SDI applications.

The generator provides a dual video/audio signal generator that can be set to any one of 32, 10bit (12 bit**) line-based, pathological or zone plate test signals as well as user define test signals.



PHRXM-4AES

AES Input & Output module has been designed for AES audio centric installations and allows 4 x AES digital audio pairs to be routed to the Audio Meter and Loudness instruments.

This module can also be used to output 4 x AES digital audio pairs from the selected Analyser/ Generator module within the Rx chassis.

PHSFP-2R30-1320

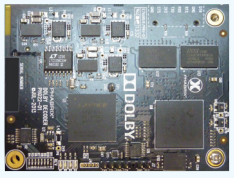
Dual channel optical receiver SFP module is a SFP module for the PHRXM-A or PHRXM-AE Rx modules and allows dual optical video signals to be analysed for 3G-SDI applications.

PHSFP-RT30-1320

Optical transceiver SFP module is an option for the PHRXM-AG or PHRXM-AGE Rx modules and allows a single optical video signal to be analysed and the generation of a single optical video test signal.

PHSFP-2T30-1320

Dual channel optical transmitter SFP module is an option for the **PHRXM-GDL** Rx module and allows the generation of dual optical video test signals for 3G-SDI applications.



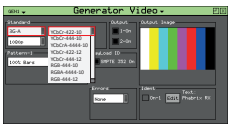
PHRXM-DD

Dolby Decode module is a mezzanine board for the CPU module that decodes the 1 (standard) or 2 (optional) channels of Dolby E, Dolby Digital or Dolby Digital Plus into base band audio channels that can monitored and heard.

* Requires SFP optical module

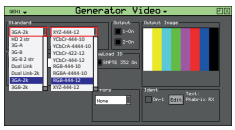
** Requires Advanced video formats software option

The following software options are available for the Rx2000, Rx1000 and Rx500 instruments and can be purchased via you local PHABRIX distributor to further enhance your Rx instrument and configure it for specific applications:

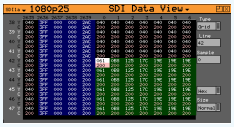


PHRXO-3G

3G-SDI and advanced formats upgrade for Rx chassis option provides advanced formats include 4:2:2 YUV, 4:4:4 RGB and 4:4:4 YUV at 10/12 bit and 3G level A and B. For broadcast manufacturers this option allows rigorous testing of many more formats beyond the standard signals used in traditional broadcasting.



This option also supports the new SDI practice for HD and 3G Level A and Level B signal transfer of 2K advanced formats including 4:2:2 Y'C'bC'r, 4:4:4 R'G'B' and 4:4:4 Y'C'bC'r at 10/12 bit as well as 4:4:4 X'Y'Z' at 12-bit.



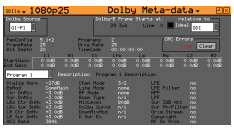
PHRXO-SD

HD/SD-SDI Data Analyzer and Ancillary Packet analyzer option provides the engineer with a detailed view of the data words contained within the SDI stream. This allows the analysis of complex faults and is particularly useful when determining compatibility issues between equipment and when debugging new product developments particularly in a R&D environment.

PHRXO-4LOU

4 Channel Loudness option allows up to 4 channels of loudness metering and monitoring to be performed by the Rx unit (1 loudness channel per analyser module).

The tools provided in the Loudness window for each channel allow the loudness of the selected stereo audio pair or 5.1 surround audio group to be measured and logged.



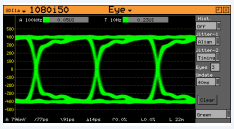
PHRXO-BDA

Dolby analysis option displays the Dolby E, Dolby Digital or Dolby Digital Plus meta data present in a selected audio stream and determines whether the Dolby-E packet is timed correctly on the SDI video stream. The Dolby may be monitored from any of the SDI input embedded audio channel pairs or the AES input. Peak audio levels metering is also displayed.

PHRXO-4CAP

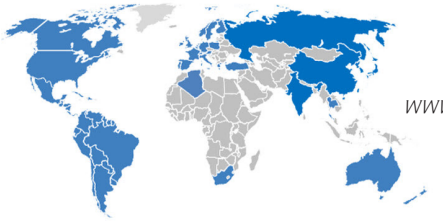
Closed Caption option (allows up to 4 channels of closed caption to be displayed. This is allocated as 1 channel per analyser module.

This provides support for WTS/ OP42/OP47, EIA 608 and EIA 708 closed caption / subtitle formats. The specific closed caption type to be displayed can be selected from the Caption Options menu.



PHRXO-EA

Advanced physical layer analysis option adds an additional jitter screen, plus enhancements to the eye display. The extra features added to the eye and jitter module are focussed toward broadcast manufacturers who have a need for high end analysis tools.



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