

RX SERIES MODULE - PHRXM-AGE

Analyzer and generator with eye jitter

This module allows a single connected SDI or Optical* video signal to be monitored continuously and allows the generation of a single SDI or Optical* video test signal.

Compatible with the Rx2000, Rx1000 and Rx500 instruments.

The analyser functionality allows two connected SD-SDI, HD-SDI or Optical inputs to be monitored in the form of a Picture, Vectorscope, Waveform monitor, Eye pattern monitor or jitter monitor.

16 channels of embedded Audio can be monitored and the levels can be inspected.

The module 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.

Generation of Audio test signals include 17 fixed test tones (100Hz-20kHz), variable test tones (1Hz-24Khz in 1Hz steps), intermittent tone or white noise that can be applied in audio levels from 0 to -100dB in 1dB steps.



FEATURE HIGHLIGHTS

- HD-SDI, SD-SDI (3G-SDI OPTION) **
- SINGLE ANALYZER, DUAL INPUTS ***
- PICTURE VIEWER FOR CONFIDENCE
- VECTORSCOPE FOR COLOUR MONITORING
- WAVEFORM MONITOR, LEVEL CHECKING
- AUDIO MONITORING & LEVEL CHECKING
- EYE PATTERN & JITTER MONITORING
- 32, 10-BIT (12-BIT**) LINE-BASED TEST PATTERNS
- PATHOLOGICAL TEST PATTERNS
- ZONE PLATE TEST PATTERNS
- 17 FIXED AUDIO TEST TONES
- VARIABLE AUDIO TEST TONES

AVAILABLE FOR

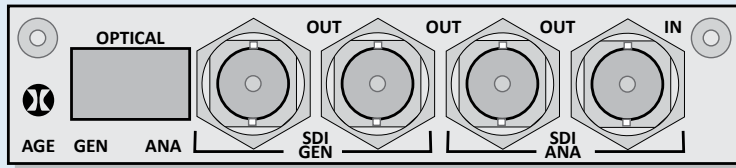
- RX2000, RX1000 AND RX500 INSTRUMENTS

OPTIONS

- OPTICAL SFP OPTION (PHRXM-OPTAG)*
- 3G-SDI ADVANCED FORMATS OPTION**
- DUAL ANALYSER OPTION (PHRXO-AA) ***

PHABRIX® RX MODULE: PHRXM-AGE

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ANALYZER SDI INPUT

Label	SDI ANA IN
Supported standards	SD-SDI or HD-SDI
Connector	See Supported formats
Input Impedance	BNC
Input Return Loss	75 ohm terminated
	Better than 15dB (5MHz-1485MHz) and 10dB (1485MHz-2970MHz)
Maximum Input Voltage	+/- 2V
Purpose	Analyser Input

ANALYZER SDI OUTPUT

Label	SDI ANA OUT
Connector	BNC
Output Impedance	75 ohm terminated
Purpose	Loop through of SDI ANA IN

ANALYZER OPTICAL INPUT

Label	OPTICAL ANA
Type	SFP Optical Single RX/TX Module (option PHRXM-OPTAG)*
Specifications	SMPTE 424M, 292M, and 259M
Purpose	Optical video/audio input

GENERATOR SDI OUTPUTS

Label	SDI GEN OUT
Supported standards	SD-SDI or HD-SDI. See Supported formats
Connector	BNC x 2
Output Impedance	75 ohm terminated
Output Level	+/- 400mV
Purpose	Generator Output

GENERATOR OPTICAL OUTPUT

Label	OPTICAL GEN
Type	SFP Optical Single RX/TX Module (option PHRXM-OPTAG)*
Specifications	SMPTE 424M, 292M, and 259M
Purpose	Optical video/audio output

VIDEO TEST SIGNALS

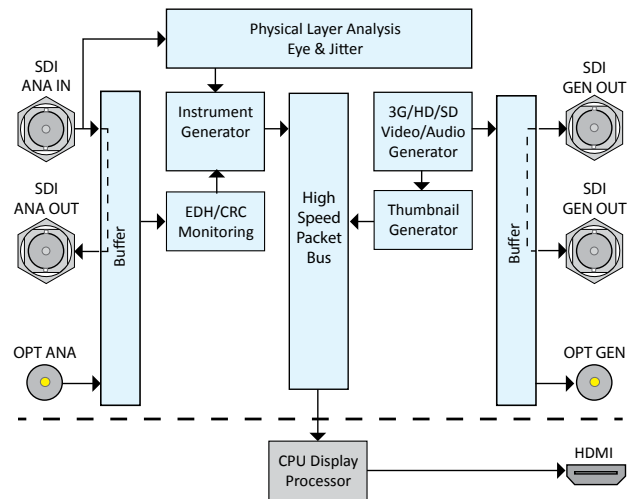
Resolution	10 bits
Static Test patterns	32+ including full frame
User defined	DPX, YUV, TGA, BMP
Zone plate	Yes

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

ORDERING INFORMATION

Product Code	PHRXM-AGE
Optical SFP Option	PHRXM-OPTAG *
3G-SDI & Advanced Formats	PHRXO-3G **
Dual Analyser Option	PHRXO-AA ***



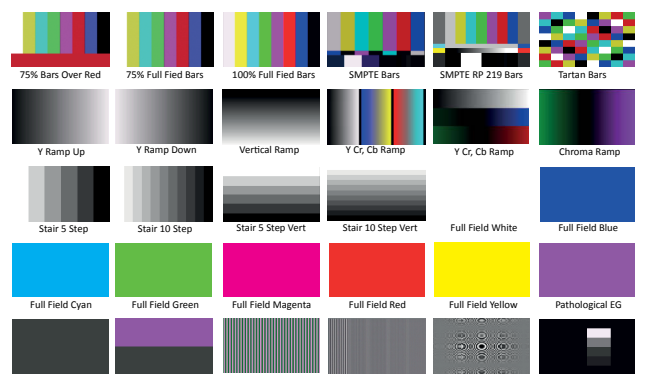
Schematic of the PHRXM-AGE module



HDMI 1920 x 1080



Rx500, Rx1000 and Rx2000 with HDMI output



Available test patterns



PHABRIX is a registered trademark.

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