## **Rx Series**



# ADVANCED RASTERIZERS FOR SIGNAL GENERATION, ANALYSIS & MONITORING

## 2K/3G/HD/SD



## Faster fault diagnosis, ultra flexible monitoring

Based on the award-winning Sx portable test & measurement range, the rackmounted Rx series of rasterizers delivers advanced 2K/3G/HD/SD signal generation, analysis and monitoring for faster compliance testing and fault diagnosis of both video and audio signals.

#### 3x The Choice

The Rx series is available in 3 form factors, from a full 2RU 4 channel rasterizer with built in monitoring to a compact 2 channel rasterizer, all with the same features and tools.

#### Up to 16 simultaneous instruments

Monitoring workflows are optimized with ultra-flexible, userdefined instrument display layouts. Up to 16 instruments can be presented simultaneously, at sizes ranging from full screen down to 1/16 screen. In multichannel environments, channel identification is simplified with a dedicated window color per channel.

Monitoring configurations can be built to suit individual operators and key applications, with rapid recall of layout pre-sets for fast turnarounds. Up to 99 presents are available to suit even the largest facility.

## **Video Capture & Remote Access**

To speed intermittent fault finding, the Rx Series offers video and audio capture to help diagnose problems. The capture can be triggered automatically when faults are identified by the analyzer, according to user-defined criteria. Fault diagnosis is also quickened by the remote access capability, which allows engineers to monitor and analyze video via a web browser from any location.

#### Four Channel Eye & Jitter

Advanced diagnostic tools include up to four simultaneous Real-Time Eye™ and Jitter physical layer analysis instruments plus closed caption, loudness and Dolby® monitoring. This makes the Rx Series ideal for OB trucks, broadcast facilities and video technology manufacturers.

#### Rx 500

2 channel analyzer/generator & monitoring solution



#### Rx 1000

Compact 4 channel analyzer/generator & monitoring solution



#### Rx 2000

4 channel analyzer/generator & monitoring solution via dual built-in screens and audio speakers



#### **Key Features**

- Available in three form factors 2RU, 1RU, 1/2 1RU
- 2K/3G/HD/SD Signal generation, analysis and monitoring toolsets
- Display up to 16 instruments on a single 1920 x 1080 screen
- Monitor and analyze up to 4 channels simultaneously
- Up to 99 configurable presets with rapid recall to suit individual operators
- Rx 2000 offers monitoring via built in speakers and screens
- Fully-featured video toolset as standard: Waveform, Vectorscope, Closed Caption, AV Delay Generation, ANC Status
- Multi-channel audio analysis including loudness and downstream monitoring as standard
- Fault finding and logging toolset as standard
- AV Delay Analysis
- Optional Dolby® Generator, Metadata Analysis and Decoder Toolsets
- Optional Video and Audio Generation Toolset
- Up to four simultaneous Real-Time Eye (RTE™) and Jitter physical layer analysis instruments
- Video and audio capture to help diagnose intermittent problems
- Enhanced Remote control and monitoring via a web browser in any location

## **Specifications**

10.5"/9.5" Rack-mount  O N/A N/A  Whisper quiet temperature controlled fan  1 x 40mm internal  2 x 40mm external  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W	Specifications			
Optional 3G-SDI (license)  Dual 16:9, 24 bit, 4.3" TFT, 480 x 272 pixels  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	Description			
Dual 16:9, 24 bit, 4.3" TFT, 480 x 272 pixels  OLED display  Front panel volume/gain control  Front panel volume/gain control  Front panel volume/gain control  Front panel Leadphone connector 6.3mm (I/4 inch) screeo jack  Front panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 ports  Internal loudspeaker  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio each face audio/video modules)  I/O Module slots (each supporting a range of audio each face audio/video modules inserted)  I/O Module slots (each supporting a range of audio each face audio audio output (epiton module)  I/O Module slots (each supporting a range of audio each face audio audio	SD-SDI, HD-SDI as standard	•	•	•
OLED display  Front panel backlit navigation keypad  Front panel volume/gain control  Front panel headphone connector 6.3mm (I/4 inch)  Front panel Headphone connector 6.3mm (I/4 inch)  Front panel LSB 2.0 host port type A socket + 2 rear panel USB 2.0 ports  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal Dual Dolby® decoder module siot (option)  Internal Output, 1920 x 1080, 4:2:2 YUV,  BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  Stenanel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 70 on the standard 10 on the stan	Optional 3G-SDI (license)	0	0	0
Front panel backlit navigation keypad  Front panel volume/gain control  Front panel volume/gain control  Front panel Headphone connector 6.3mm (I/4 inch) Stereo jack  Front panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 host port type A rear panel USB 2.0 host panel USB 2.0 host port type A rear panel	Dual 16:9, 24 bit, 4.3" TFT, 480 x 272 pixels	N/A	N/A	•
Front panel volume/gain control  Front panel headphone connector 6.3mm (1/4 Inch) Stereo jack  Front panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 ports  Internal loudspeaker  Internal loud Dolby® decoder module slot (option)  HDMI instrument output, 1920 x 1080, 4:4:4 RGB, Type A  SDI instrument output, 1920 x 1080, 4:2:2 YUV, BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm SNC  Internal louds 26 pin high density 'D' Type socket)  Scena analog audio output, (via 26 pin high density 'D' Type socket)  Scena analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  PPGA firmware/software upgrade via Ethernet/USB  Vlewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  19" Rack-mount kit  10" Rack-mount kit  10" Rack-mount kit  N/A  N/A  Power consumption (variable on modules inserted)  Power consumption (variable on modules inserted)  Power consumption (variable on modules inserted)  AE 13kg  20 x 44	OLED display	•	•	N/A
Front panel headphone connector 6.3mm (I/4 inch) Stereo jack Front panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 ports  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal Dual Dolby* decoder module slot (option)  Internal Dual Do	Front panel backlit navigation keypad	•	•	•
Stereo jack Front panel USB 2.0 host port type A socket + 2 rear panel USB 2.0 ports  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video module)  I/O Module slots (each supporting a range of audio/video module)  I/O I/O Module slots (each supporting a range of audio/video module)  I/O I/O (via 26 pin high density 'D' Type socket)  I/O I/O (via 26 pin high density 'D' Type socket)  I/O I/O (via 26 pin high density 'D' Type socket)  I/O I/O I/O (via 26 pin high density 'D' Type socket)  I/O I/O I/O I/O (via 26 pin high density 'D' Type socket)  I/O	Front panel volume/gain control	•	•	•
Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal loudspeaker  Internal Dual Dolby® decoder module slot (option)  Internal Dolby® decoder module slot (option)	The state of the s	•	•	•
Internal loudspeaker  I/O Module slots (each supporting a range of audio/video modules)  I/O Module slots (each supporting a range of audio/video modules)  Internal Dual Dolby® decoder module slot (option)  I 1 1 1  I 1 HDMI instrument output, 1920 x 1080, 4:4:4 RGB, Type A  SDI instrument output, 1920 x 1080, 4:2:2 YUV, BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8 x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Pesktop mounting kit  19" Rack-mount kit  10" (options)  N/A  Whisper quiet temperature controlled fan  11x 40mm external  11x 40mm external  11x 60mm external  Power consumption (variable on modules inserted)  AP Dimensions (width x height x depth) excluding ears  A projections  Weight (chassis with CPU module and 1x AG option)  1,3kg  2.0kg  2.3kg  1 year manufacturers warranty - 3 & 5 year warranty  1 year manufacturers warranty - 3 & 5 year warranty	1 1	•	•	•
audio/video modules)  Internal Dual Dolby® decoder module slot (option)  Internal Dual Dolby® decoder module slot (option)  IDMI instrument output, 1920 x 1080, 4:2:2 YUV, BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard (replaces instrument output)  Basic SDI generator included as standard SDI Instrument outputs  Reference/VITC input, passive loop through, BNC  75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  9	Internal loudspeaker	Beeper	Beeper	wide
HDMI instrument output, 1920 x 1080, 4:4:4 RGB, Type A  SDI instrument output, 1920 x 1080, 4:2:2 YUV, BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  10	, , , , ,	2	4	4
Type A  SDI instrument output, 1920 x 1080, 4:2:2 YUV, BNC 75 Ohm Basic SDI generator included as standard (replaces instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  9x Gereo analog audio output, (via 26 pin high density 'D' Type socket)  1x Gereo analog audio output, (via 26 pin high density 'D' Type socket)  1x Galibrated stereo balanced analog audio output (option module)  1x Gereo analog audio output, (via 26 pin high density 'D' Type socket)  1x Galibrated stereo balanced analog audio output (option module)  1x Gereo analog audio output, (via 26 pin high density 'D' Type socket)  1x Galibrated stereo balanced analog audio output (option module)  1x Gereo analog audio output, (via 26 pin high density 'D' Type socket)  1x Galibrated stereo balanced analog audio output (option module)  1x Galibrated stereo balanced analog audio output (option module)  1x Galibrated stereo balanced analog audio output (option module ill temperature control as standard)  1x Galibrated stereo balanced analog audio output (options)  1x Galibrated stereo balanced ana	Internal Dual Dolby® decoder module slot (option)	1	1	1
BNC 75 Ohm  Basic SDI generator included as standard (replaces instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  19' Rack-mount kit  10' (options)  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  1x 40mm external  Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears  210 x 44 x 440 x 44 x 170mm visom	· · · · · · · · · · · · · · · · · · ·	•	•	•
instrument output)  8 channel 48kHz PCM audio on HDMI and SDI Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  19" Rack-mount kit  10" (options)  Visper quiet temperature controlled fan  N/A  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  Dimensions (width x height x depth) excluding ears  & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty  1 year manufacturers warranty    Commodule fitted    Commodule f		•	•	•
Instrument outputs  Reference/VITC input, passive loop through, BNC 75 Ohm compensated  AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin high density 'D' Type socket  \$x GPI I/O (via 26 pin hig	, ,	•	•	•
AES input AES 3-ID, SMPTE 276M-1995, 75 Ohm BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  10 (options)  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty  1 year manufacturers warranty - 3 & 5 year warranty   O  O  O  O  O  O  O  O  O  O  O  O		•	•	•
BNC  LTC input (via 26 pin high density 'D' Type socket)  8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  10' (options)  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  11 x 40mm internal  Power consumption (variable on modules inserted)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty    A pin XLR power connector warranty - 3 & 5 year warranty		•	•	•
8x GPI I/O (via 26 pin high density 'D' Type socket)  Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  Desktop mounting kit  10 (options)  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  1x 40mm external  Power consumption (variable on modules inserted)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty		•	•	•
Stereo analog audio output, (via 26 pin high density 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  19" Rack-mount kit  10" (options)  N/A  N/A  N/A  N/A  19" Rack-mount kit  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  N/A  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	LTC input (via 26 pin high density 'D' Type socket)	•	•	•
Sity 'D' Type socket)  Calibrated stereo balanced analog audio output (option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  Desktop mounting kit  19" Rack-mount kit  10 (options)  N/A  N/A  19" Rack-mount kit  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  N/A  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	8x GPI I/O (via 26 pin high density 'D' Type socket)	•	•	•
(option module)  Ethernet remote control via browser, RJ45 connector, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  Desktop mounting kit  19" Rack-mount kit  10		•	•	•
tor, 10/100Base-T  IP sockets based remote control as standard  FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  Desktop mounting kit  19" Rack-mount kit  10" (options)  N/A  N/A  N/A  N/A  10-S*/9.5" Rack-mount  N/A  Whisper quiet temperature controlled fan  N/A  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	· ·	•	•	•
FPGA firmware/software upgrade via Ethernet/USB  Viewing angle tilt mechanism  N/A  N/A  Desktop mounting kit  19" Rack-mount kit  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & projections  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty		•	•	•
Viewing angle tilt mechanism  N/A  N/A  N/A  N/A  Desktop mounting kit  19" Rack-mount kit  10.5"/9.5" Rack-mount  Whisper quiet temperature controlled fan  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	IP sockets based remote control as standard	•	•	•
Desktop mounting kit  19" Rack-mount kit  10	FPGA firmware/software upgrade via Ethernet/USB	•	•	•
19" Rack-mount kit  10	Viewing angle tilt mechanism	N/A	N/A	•
(options) (standard) (standard)  10.5"/9.5" Rack-mount  O N/A N/A  Whisper quiet temperature controlled fan  1 x 40mm internal  2 x 40mm external  2 x 40mm external  2 x 40mm external  2 y 4W typical 40W max  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & 210 x 44 x 170mm  Dimensions (width x height x depth) excluding ears & 210 x 44 x 170mm  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	Desktop mounting kit	•	•	N/A
Whisper quiet temperature controlled fan  1 x 40mm   2 x 40mm   external   external   24W   typical   40W max   4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & 210 x 44 x   440 x 44 x   170mm   150mm   150mm   150mm   150mm   13kg   2.0kg   2.3kg   19vear manufacturers warranty   3 & 5 year warranty	19" Rack-mount kit			2U (standard)
Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & 210 x 44 x 170mm  Dimensions (width x height x depth) excluding ears & 170mm  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	10.5"/9.5" Rack-mount	0	N/A	N/A
Power consumption (variable on modules inserted)  4 Pin XLR power connector, 12V nominal (9V-18V)  AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & 210 x 44 x & 440 x 44 x & 170mm & 150mm  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	Whisper quiet temperature controlled fan			
AC Power adaptor (included), 90-264VAC, 120W  Dimensions (width x height x depth) excluding ears & 210 x 44 x 170mm 150mm  Weight (chassis with CPU module and 1x AG option module fitted)  1 year manufacturers warranty - 3 & 5 year warranty	Power consumption (variable on modules inserted)	typical	typical	typical
Dimensions (width x height x depth) excluding ears & 210 x 44 x 170mm 2150mm 210 x 44 x 170mm 2150mm 210 x 45 x 170mm 2150mm 210 x 45 x 170mm 2150mm 210 x 45 x 170mm 210 x 150mm 210 x 100 x 10	4 Pin XLR power connector, 12V nominal (9V-18V)	•	•	•
& projections 170mm 170mm 150mm  Weight (chassis with CPU module and 1x AG option module fitted) 2.0kg 2.3kg  1 year manufacturers warranty - 3 & 5 year warranty	AC Power adaptor (included), 90-264VAC, 120W	•	•	•
module fitted)  1.5kg 2.0kg 2.5kg  1 year manufacturers warranty - 3 & 5 year warranty	, , , ,			440 x 88 x 150mm
		1.3kg	2.0kg	2.3kg
		•	•	•

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Please see the PHABRIX website for more information.

E&O - As our policy is one of continuous improvement, we reserve the right to vary details without prior notice

## **Rx Rear Panels and Modules**

The Rx range can be configured with a range of plug-in modules (printed circuit boards with dedicated hardware for specific functions) that enable functionality in the software and allow various menus to be selected on the front panel allowing different Instrument panels (windows) to be created on the Monitor output.

#### Rx 500

The Rx 500 starter configuration includes a single channel video analyzer, with optional signal generation and eye/jitter analysis.



#### Rx 1000

The Rx 1000 starter configuration includes a single channel video analyzer, with optional signal generation and eye/jitter

Up to 3 more channels of video analysis/generation, or up to 12x AES audio analysis/generation, can be added with expansion modules.



#### Rx 2000

The Rx 2000 starter configuration includes a single channel video analyzer, with optional signal generation and eye/jitter analysis.

Up to 3 more channels of video analysis/generation, or up to 12x AES audio analysis/generation, can be added with expansion modules.



## Installation

Single Rx 500 rackmount tray with cover (PHRXK1)



Dual Rx 500 rackmount (PHRXK2)



## **Ordering Information**

Please visit www.phabrix.com/products/2k-3g-hd-sd-rasterizers/ for the latest ordering information.