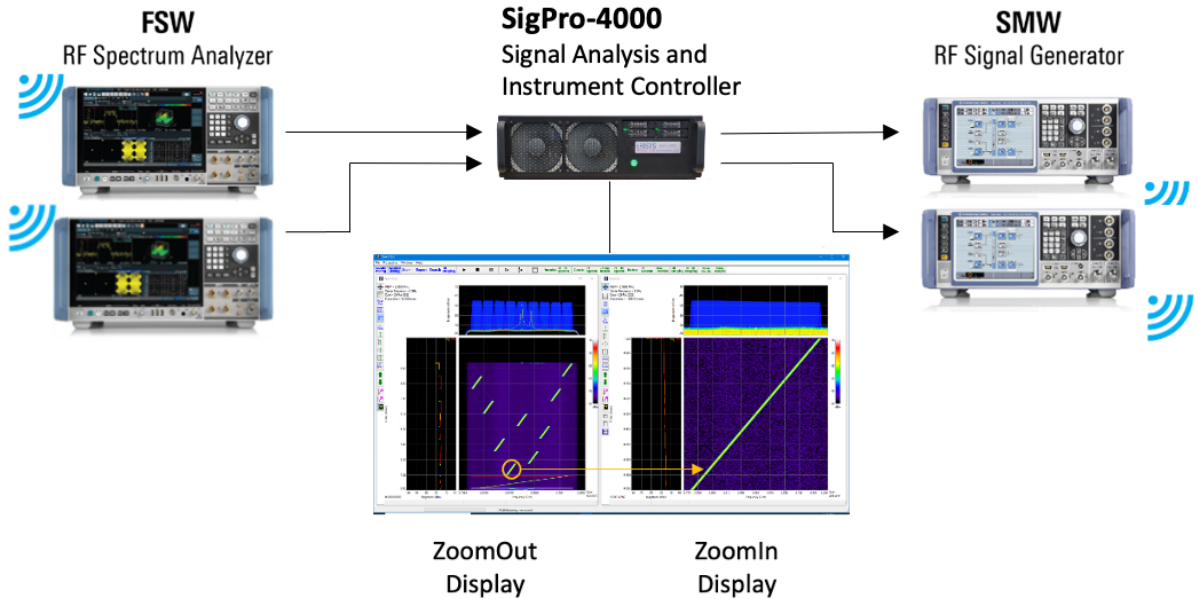


Signal Analysis System and Instrument Controller



SigPro-4000 Front View

SigPro-4000 is an Enterprise-class instrument controller, recorder, and data router that can capture and analyze data streams with ≤ 1 GHz real time bandwidths from an FSW RF Spectrum Analyzer. Previously captured IQ Data files can be played back with an SMW RF Signal Generator unit. The system includes a specialized hardware-accelerated subsystem, removable NVME storage subsystem, and optional ZoomOut[®] Signal Analysis Software. The system can be used on a benchtop or occupies 3U of space when used in a standard rack. ZoomOut[®] provides viewing, analysis, capture, and playback of signal data. In the configuration shown below, the SigPro-4000 system has been integrated with Rohde and Schwarz test equipment and is also functions as the centralized controller for all three systems.



Displayed with ZoomOut[®] Signal Analysis Software

SigPro-4000 shown connected in a typical configuration with Rohde and Schwarz FSW and SMW

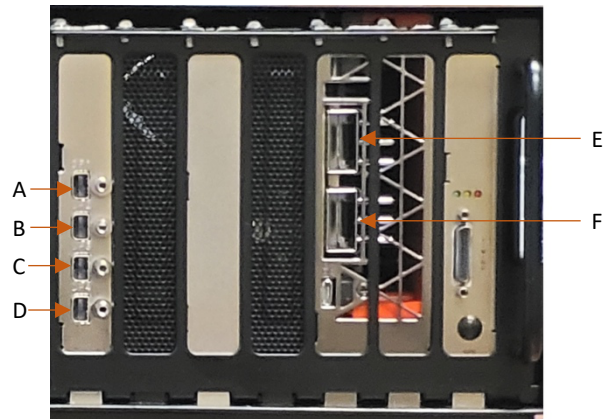
In this case, the FSW RF Spectrum Analyzer provides data to the SigPro-4000 in IQ streams in bandwidths up to 1GHz IBW. The SigPro system captures the incoming data from 1 or 2 FSW Analyzers storing the data on 1 to 4 hot-swappable U.2 SSD drives for IQ storage. Each removable drive ranges in capacity from 4TB to 30TB enabling a storage subsystem up 120TB. The SigPro-4000 can be ordered in 15TB, 30TB, 60TB, or 120TB configurations.

The SigPro-4000 system supports the use of single or multiple monitors via four mini-display port connectors shown as A, B, C, and D in the image below. With ZoomOut® analysis software running on the SigPro-4000, a variety of multi-monitor scenarios are possible. This eliminates overlapping windows within the programs.

The SigPro-4000 interfaces to the FSW Spectrum Analyzer via the QSFP-DD port shown as E, while interfacing to the SMW RF Signal Generator via the QSFP-DD port shown as F in the graphic to the right.



SigPro Removable Media Located on Front Panel



SigPro Interface Panel Located on Rear of Unit

SigPro-4000 systems store IQ file data on four removable storage modules as shown above to the left. Each module can store 4TB to 30TB for a total storage capacity of 15-120TB. Modules can be removed and installed on other SigPro-4000 systems as well other SigPro-2000 systems. The drives are interchangeable.

Once the data has been recorded using the SigPro-4000, it can be analyzed using Erisys' innovative ZoomOut® signal analysis software. ZoomOut® provides the user with the distinct advantage of zooming in on details while never losing track of the big picture. ZoomOut answers the problem of perspective by uniquely providing the ability to see large RF data files while “zoomed out” for the big picture while simultaneously “zooming in” to provide the detailed view thereby unlocking the hidden data in large files at a single glance. Stored files can be played back to the SMW RF Signal Generator and broadcast into the RF spectrum.



ZoomOut



ZoomIn

SigPro Mechanical Specifications:
L X W X H: 22.6", 3U (5.25"), 17.25" (fits in 19" rack)
Weight: 30 Pounds
Power Draw: 400W