



COMPLETE TEST SOLUTIONS

APEX-DS is a complete fully-featured software toolkit for data acquisition, test setup and monitoring.

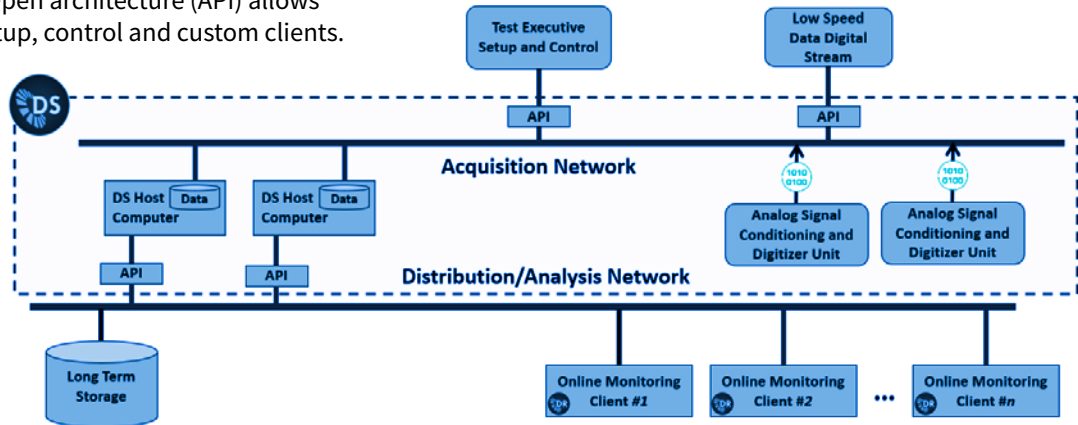
Synchronize, store and visualize dynamic and low-speed (parameter) data in the same data file with the APEX network architecture

Full frequency-domain data processing Open architecture (API) allows customers to write custom plugins for setup, control and custom clients.

FULLY SCALABLE

Acquire hundreds of channels with simultaneous sampling and analyze the data in real-time.

FROM 4 TO 400+ CHANNELS, DS CAN SUPPORT YOUR TESTING REQUIREMENTS!



CUSTOM INTEGRATION

DS software provides set up and control of dynamic data acquisition systems (DDAS) from a variety of digitizer, signal conditioning and data acquisition hardware manufacturers.

DS comes fully integrated with a variety of PXI, PCI, LXI, USB, and Ethernet hardware systems from established manufacturers like NI, VTI, MeCalc and General Standards.

Supports integrated or stand-alone signal conditioning from established manufacturers like Precision Filters, Scanivalve, & VTI.

We can integrate with YOUR existing hardware or customize a solution using leading DAQ hardware suppliers.





ONLINE MONITORING

APEX DR is an Online Monitoring Software. Interface to APEX DS Data Acquisition Software with subscription based monitoring on one or many monitoring stations.

Monitor YOUR data the way you want with customized visualization and control on multiple pages, screens or monitoring stations.

Networked architecture for flexibility and large channel counts. All channels can be synchronized. Multiple pages; multiple windows with no loss of plot data when changing pages.

Calibration values can be entered or are automatically computed. Individual channels can be FFT processed. Choose a variety of spectral window functions such as FFT Scaling, FFT Overlap, and FFT Zoom for maximum flexibility. Store all acquisition setups and easily recall for future tests. Supports a variety of methods for calibration including NIST traceability

Combine high and low speed data streams for enhanced online analysis and data storage. Interface to existing low speed data systems with a simple TCP-IP protocol.

Synchronously records low speed, or “parameter” data with high speed signals (e.g., pressures, temperatures, speeds, geometry, etc.). Data is also available for real-time monitoring. Interface to existing low speed data systems with a simple TCP-IP protocol.

Easy setup and interface to a variety of analog and digital devices.

DS supports a variety of popular hardware platforms and suppliers so you can decouple hardware and software procurement decisions.

Check signal health easily with color coded visual monitoring. Near over range signals are shown in yellow. Over range signals are easily identified with red.

Data-Acquisition software is licensed on a per-channel basis, so you pay only for the amount of software you need. Channel licenses can be node locked or floating and support single device drivers or all device drivers.

