
SignalVu Software Release Notes

Version 6.0.0035

Product	SignalVu Vector Signal Analysis Software
Version	Version 6.0.0035
Last revised	October 2026

Supported instruments

- DPO77002SX
- DPS77004SX (V10.15.0.3)
- DPO75902SX (V10.15.1.3)

This release note summarizes the new features, improvements, and bug fixes included in this software release.

Portions of this program were developed using Smartmontools which is licensed under the GNU General Public License (GPL). The complete corresponding sources, license, and copyrights are available with the installed program at

C:\Program Files\Tektronix\TekScope\SYSTEM\RSA\Utilities\RaidQuery\
SMARTMonTools_SourceCode_RAIDQueryTestApp.

What's new in this release

- Trace Persistence for Spectrum, Amplitude Vs Time, Frequency Vs Time and Phase Vs Time displays.
- Ogram support for Amplitude Vs Time, Frequency Vs Time and Phase Vs Time displays.
- Pulse modulation detection in pulse table measurement using Machine Learning.

Limitations

- For better performance, global settings should be enabled when acquisition is in stopped state.
- PI support for Dual Stack SX will be available only after fresh installation.
- SignalVu supports upto four channels of scope. In order to use more than four channels of Scope on SignalVu, more than one instance of SignalVu is required.
- Advanced triggering capability is limited to Edge trigger only.
- When two or more sources are configured with different span, the highest span is considered for both acquiring and analyzing the signal across all the sources.
- Mask search and tests will be applied to measurements under Source 1 only.
- Do not delete the reference wfm from the scope while the same being used in the SignalVu for the acquisitions.
- SignalVu supported only on Windows 10.
- User should only enable the spectrum inversion either from down converter settings or from the plugins already supporting spectrum inversion.
- Overlay Trace view feature is not supported for Eye Diagram, Trellis Diagram, and Constellation measurements.
- Auto peak marker functionality is not supported for Bitmap trace selection.

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Known issues

- Link settings state is not retained during TIQM file Save. After Recall, click on Link Settings to enable global synchronization.
- Frequency Offset feature does not support High Side Injection in case of DPX spectrum.
- Dark theme is not applicable for External gain correction tables and Signal survey region dropdowns.
- When a TIQM file, saved with Modulation Type and Confidence enabled in pulse table measurement, is recalled the results may not be restored. To view these results, perform replay.
- When a TIQM file is recalled, the status message "Analysis length limited by end of data" may be displayed when the requested analysis length exceeds the amount of data available in the file.

Version 5.8.0180

Product SignalVu Vector Signal Analysis Software

Version 5.8.0180

Last revised April 2026

Supported instruments

- DPO77002SX
- DPS77004SX (V10.15.0.3)
- DPO75902SX (V10.15.1.3)

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C:\Program Files\Tektronix\TekScope\SYSTEM\RSA\Utilities\RaidQuery\
SMARTMonTools_SourceCode_RAIDQueryTestApp.

What's new in this release

Extended source-handling capability supports multiple user-defined sources per oscilloscope channel.

Defects fixed

Report overlap issue in EMCVu report.

Limitations

- For better performance, global settings should be enabled when acquisition is in stopped state.
- PI support for Dual Stack SX is available only after a fresh installation.
- SignalVu supports up to four oscilloscope channels per instance. To use more than four channels of the oscilloscope on SignalVu, multiple instances of SignalVu are required.
- Advanced triggering capability is limited to Edge trigger.
- When two or more sources are configured with different spans, the highest span is used for both signal acquisition and analysis across all sources.
- Mask search and mask tests are applied only to measurements under Source 1.
- Do not delete the reference waveform from the oscilloscope while the same is being used in the SignalVu for the acquisitions.
- SignalVu is supported only on Windows-10.
- Spectrum inversion is supported only through downconverter settings or plugins that provide spectrum-inversion capability.
- Marker to Center and Marker to Peak are not supported in some Constellation displays.
- Overlay Trace View is not supported for Eye Diagram, Trellis Diagram, and Constellation measurements.

Known issues

- Link settings state is not retained during TIQM file save. After recall of TIQM file, click on **Link Settings** to enable global synchronization.
- The Frequency Offset feature does not support High Side Injection for DPX spectrum.
- Dark theme is not applicable to **External Gain Correction** tables and **Signal Survey** region dropdown list.

Version 5.7.0161

Product	SignalVu Vector Signal Analysis Software
Version	5.7.0161
Last revised	October 2025

Supported instruments

- DPO77002SX
- DPS77004SX (V10.15.0.3)
- DPO75902SX (V10.15.1.3)

This release note summarizes new features, improvements, and bug fixes contained in the above software release.

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C:\Program Files\Tektronix\TekScope\SYSTEM\RSA\Utilities\RaidQuery\
SMARTMonTools_SourceCode_RAIDQueryTestApp.

What's new in this release

- The SignalVu application now supports dark theme mode.
- Overlay and Math traces supports multi-channel displays

Defects fixed

- Spurious display, unable to change the frequency range C.
- EMCVu Standard upgarde - EN55011 and EN55025.

Limitations

- For better performance, global settings should be enabled when acquisition is in stopped state.
- PI support for Dual Stack SX will be available only after fresh installation.
- SignalVu supports upto four channels of the oscilloscope. To use more than four channels of the oscilloscope on SignalVu, multiple one instances of SignalVu is required.
- Advanced triggering capability is limited to Edge trigger only.
- When two or more sources are configured with different span, the highest span is used for both signal acquisition and analysis across all sources.
- Mask search and tests are applied only to measurements under Source 1.
- Do not delete the reference waveform from the oscilloscope while the same being used in the SignalVu for the acquisitions.
- SignalVu supported only on Windows-10.
- Enable spectrum inversion only from the downconverter settings or from plugins that already support spectrum inversion.
- Marker to Center and Marker to Peak functions are not supported in some Constellation display.
- The Overlay Trace View feature is not supported for Eye Diagram, Trellis Diagram, and Constellation measurements.

Known issues

- Link settings state is not retained during TIQM file Save. After Recall, click on **Link Settings** to enable global synchronization.
- For Pulse Measurement, the default configuration for Measurement Filter under Params tab is "No Filter - Max BW". For SX instruments, the bandwidth is set based on the oscilloscope's sampling frequency.
- This high bandwidth value may cause unexpected acquisition behavior. To avoid this, set the Measurement Filter to 'No Filter' and set the bandwidth to an appropriate value.
- The dark theme is not apply to External Gain Correction tables and Signal Survey region dropdowns.
- The Frequency Offset feature does not support High Side Injection for DPX spectrum.

Version 5.6.0295

Product	SignalVu Vector Signal Analysis Software
Version	5.6.0295
Last revised	August 2025

Supported instruments

- DPO77002SX
- DPS77004SX (V10.15.0.3)
- DPO75902SX (V10.15.1.3)

This release note summarizes new features, improvements, and bug fixes contained in the above software release.

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C:\Program

Files\Tektronix\TekScope\SYSTEM\RSA\Utilities\RaidQuery\SMARTMonTools_SourceCode_RAIDQueryTestAp

What's new in this release

Automated peak marker : Automatically updates the marker to the peak position whenever measurement results are refreshed.

Docking window support : Enable user to move SignalVu displays to secondary monitors.

Dynamic Cross Hairs : Visual indicator that displays the X and Y data point on the selected trace.

Limitations

- For better performance, global settings should be enabled when acquisition is in stopped state.
- PI support for Dual Stack SX will be available only after fresh installation.
- SignalVu supports upto four channels of the oscilloscope. To use more than four channels of the oscilloscope on SignalVu, multiple one instances of SignalVu is required.
- Advanced triggering capability is limited to Edge trigger only.
- When two or more sources are configured with different span, the highest span is used for both signal acquisition and analysis across all sources.
- Mask search and tests are applied only to measurements under Source 1.
- Do not delete the reference wfm from the oscilloscope while the same being used in the SignalVu for the acquisitions.
- SignalVu supported only on Windows-10.
- Enable spectrum inversion only from the downconverter settings or from plugins that already support spectrum inversion.
- Marker to Center and Marker to Peak functions are not supported in some Constellation display.

Known issues

- Link settings state is not retained during TIQM file Save. After Recall, click on **Link Settings** to enable global synchronization.
- For Pulse Measurement, the default configuration for Measurement Filter under Params tab is "No Filter - Max BW". For SX instruments, the bandwidth is set based on the oscilloscope's sampling frequency.
- This high bandwidth value may cause unexpected acquisition behavior. To avoid this, set the Measurement Filter to 'No Filter' and set the bandwidth to an appropriate value.
- Frequency Offset feature does not support High Side Injection in case of DPX spectrum.

Version 5.4.0210

Product	SignalVu Vector Signal Analysis Software
Version	5.4.0210
Last revised	March 2024

Supported instruments

- DPO77002SX
- DPS77004SX (V10.14.0.15)
- DPO75902SX (V10.14.1.15)

This release note summarizes new features, improvements, and bug fixes contained in the above software release.

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C:\Program

Files\Tektronix\Tekscope\SYSTEM\RSA\Utilities\RaidQuery\SMARTMonTools_SourceCode_RAIDQueryTestAp

What's new in this release

This version includes Multichannel analysis capability for:

- GP Digital Modulation viz
 - Constellation
 - EVM vs Time
 - Eye Diagram
 - Demod I&Q vs Time
 - Freq Dev vs Time
 - Mag Error vs Time
 - Phase Error vs Time
 - Signal Quality
 - Symbol Table
 - Trellis Diagram
- Global settings control for the Multichannel plugins General Signal Viewing, Pulsed RF, and GP Digital Modulation.
- 1024 QAM modulation type in GP Digital Modulation SVM.
- Improved user experience while connecting to instruments even if Connectivity license is not installed.
- Pulling pulse table results for large number of pulses through PI.
- The configured Modulation type should be visible on the measurement window displays in GP Digital Modulation measurements.

Limitations

- For better performance, global settings should be enable when acquisition is in stopped state.
- PI support for Dual Stack SX is available only after fresh installation.
- SignalVu supports upto four channels of the oscilloscope. To use more than four channels of the oscilloscope on SignalVu, multiple one instances of SignalVu is required.
- Advanced triggering capability is limited to Edge trigger only.
- When two or more sources are configured with different span, the highest span is used for both signal acquisition and analysis across all sources.
- Mask search and tests are applied only to measurements under Source 1.
- Do not delete the reference waveforms from the oscilloscope while the same being used in the SignalVu for the acquisitions.
- SignalVu software is supported on Windows 10 only.
- Enable spectrum inversion only from the downconverter settings or from plugins that already support spectrum inversion.
- Marker to Center and Marker to Peak are not supported in some of the constellation displays.

Known issues

- Start and Stop acquisition count get reset once the acquisition is stopped.
- Link settings state is not retained during TIQM file Save. After Recall, click on **Link Settings** to enable the global synchronization.
- For Pulse Measurement, the default configuration for Measurement Filter under Params tab is "No Filter - Max BW". For SX instruments, the bandwidth is set based on the oscilloscope's sampling frequency.
- This high bandwidth value may cause unexpected acquisition behavior. To avoid this, set the Measurement Filter to 'No Filter' and set the bandwidth to an appropriate value.
- Frequency offset feature does not support High Side Injection in case of DPX spectrum.