

Keysight Infiniium Oscilloscopes Software

This software is designed to run on the Agilent Infiniium 9000 Series, S-Series, 90000A Series, 90000 X-Series, V-Series, 90000 Q-Series, and Z-Series oscilloscopes or on personal computers.

Version 5.50.0006

Released Date:	16 April 2015
Operating System:	Windows 7

Bug Fixes

- Updates to the “Quick Environmental” cal to the 90000 (Q, X, V and Z) series.
- Make the default memory to 50 Mpt. for V-Series.
- Turned interpolation control off for analog channels in Infiniium offline and on for waveform memories for both on the oscilloscope and offline.
- Fixed PAM TIE measurements at high symbol rates.
- Added support for :CHAN:PROBe:HEAD:VTERm command on N7010A probe.
- Fixed problem with the Ethernet 100BASE-TX Protocol menu check box not displaying the correct state.

Version 5.50.0005

Released Date:	13 April 2015
Operating System:	Windows 7

Enhancements

- Multi-lane Unipro/UFS will merge data even without MK0, MK1 alignment characters.

Bug Fixes

- Fixes to Multi-Scope hosted.
- Fixes to PAM-4.
- Updates to the “Quick Environmental” cal to the 90000 (Q, X, V and Z) series
- Fixed problem with the ExecuteGPIBScript.exe not running correctly.
- The protocol Lister will display all captured data correctly for all numbers of lines of data.

Version 5.50.0004

Released Date:	10 April 2015
Operating System:	Windows 7

Enhancements

- Added a “Quick Environmental” cal to the 90000 (Q, X, V and Z) series to reduce phase drift.

Bug Fixes

- Fixed a potential phase error issue on the real edge channels of the 90000 Q and Z series. Loading this software update on the Q and Z series will display a “Quick Environmental” cal required message after the oscilloscope starts up
- Fixed a problem with 63G license on Z-Series scopes.
- Improvements to the S-Series calibrations including probe skew calibration.
- Improvements on the accuracy in a few trigger calibrations.

Version 5.50.0001

Released Date:	26 March 2015
Operating System:	Windows 7

Enhancements

- V-Series scope support.
- PAM-4 analysis support.
- Multi-Scope Hosted support.
- Hardware Serial Trigger option card support.
- Added support for the N7000A – N7003A probes.
- Added N7020A S-parameter support.
- Added the ability to save each channel in a different CSV file and an image all with one button press.
- Added a remote command to turn off GUI updates.
- Can save waveform data and an image with on button press.
- New bandwidth filter menu that consolidates all bandwidth filters into one dialog.
- Multi-lane Unipro/UFS will merge data even without MK0, MK1 alignment characters.

Bug Fixes

- When saving a file it will remember the previous file name.
- When saving setup information as part of a save screen image, the measurement results will be included.
- Fixed a problem with printing setup information with ≥ 14 characters in the label.
- Fixed compliance application upgrade problem going from an Agilent branded application to a Keysight one.
- Improvements to Ethernet serial decode.
- The :DISPlay:CGRad and :MTESt:FOLDing commands were changes to keep some of the legacy behavior will still allowing new capability.
- Better indication of what is being controlled when using the Quick Control capability.

- Fixed the :DISK:SAVE:MEAS command to make sure it saves all of the data.
- The Real Time Eye horizontal controls now work correctly based on the icon on the button.
- Updated the descriptions for the N2832A skew calibration.
- Fixed an overload problem with probing on S-Series.
- The number of UIs for Real-Time Eye is now displayed as a floating point number because it could report negative numbers before.
- Fixes to Jitter graph rendering.
- Fixed a problem with gating box show when Real-Time Eye is displayed.
- Fixes to the EZJIT Complete Wizard.
- A number of precision probe calibration GUI fixes.
- Fixed units for Slew Rate results to be a more traditional expression.

Version 5.30.0004

Released Date:	31 March 2015
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with 63G license on Z-Series scopes.

Version 5.30.0003

Released Date:	18 March 2015
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with updating the 90000 X-Series front panel FPGA.

Version 5.30.0001

Released Date:	26 February 2015
Operating System:	Windows 7

Bug Fixes

- Fixes a crash when Buses are displayed and you zoom in and out in some cases.
- The CAN demo will now work with the N8803 license.

Version 5.30.0000

Released Date:	23 February 2015
Operating System:	Windows 7

Enhancements

- Added support for the N7010A probe.
- Added probe head support for N2851A.
- In Roll Mode you can set the sample rate and function horizontal getting work while running.
- Added 1M Ω 500MHz DSP correction filter to the S-Series
- Ethernet 10/100BaseT decodes and trigger on 10BaseT. Both IPv4 and IPv6 support.
- Added support back in for Measure All Data and Measure All Edges.

Bug Fixes

- Fixes to the decimation algorithm of the color grade database.
- For the S-Series, the Bits of Resolution display the correct value.
- Better documentation on how to configure VNC Viewer was added.
- Added correction for probe offset linearity on 90000 X-Series.

Version 5.21.0001

Released Date:	18 March 2015
Operating System:	Windows 7

Enhancements

- Fix a problem with downgrading your 90000 X-Series to a pre-5.30 baseline.

Version 5.21.0000

Released Date:	23 February 2015
Operating System:	Windows 7

Enhancements

- This version allows you to downgrade your 90000 X-Series to a pre-5.30 baseline.

Version 5.20.0021

Released Date:	6 February 2015
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with mask being scaled correctly.
- Fixed a problem with bandwidth upgrades on a DSA.

Version 5.20.0018

Released Date:	22 January 2015
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with Resolution Bandwidth only driving acquisition setting in one direction.

Version 5.20.0017

Released Date:	16 January 2015
Operating System:	Windows 7

Enhancements

- Added multi-line support for bookmarks.

Bug Fixes

- Fixed a problem with the remote self-test command and made it so that the self-test dialog will be torn down when done.
- Navigation with Limit Test now works.
- Fixed a Mask recall problem.
- The FFT Resolution Bandwidth can drive acquisition settings even when the sample rate is fixed.

Version 5.20.0016

Released Date:	9 January 2015
Operating System:	Windows 7

Enhancements

- Added support to the :CHANNEL<N>:PROBE:EADAPTER command/query to support E2697A and N5449A.

Version 5.20.0015

Released Date:	7 January 2015
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with Mask testing off screen data.

Version 5.20.0014

Released Date:	18 December 2014
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with IO Libraries Suite 17.0 connecting to our oscilloscopes.
- Allowed QuickExecute to process double quoted filenames among other changes.

Version 5.20.0013

Released Date:	4 December 2014
Operating System:	Windows 7

Bug Fixes

- Fixed a license environment variable issue causing the Offline application to start up very slowly. The fix was to ignore the default LM_LICENSE_FILE environment variable when checking for server based licenses.
- Fixed an issue where the edge-edge measurement was always using the middle threshold regardless of the threshold setting.
- Fixed an issue which was causing an incorrect measurement count for some configurations.

Version 5.20.0010

Released Date:	21 November 2014
Operating System:	Windows 7

Bug Fixes

- Fixed PCIe 3.0 Tx protocol decode of compliance preset number and lane number (mod 8).
- Fixed VTerm not always being applied correctly for the N280xA probes.
- The cable delay will now be included in Precision Probe calibration.
- Fixed problem with MISO always reporting FF in 4 wire SPI decoding.
- Fixed mask test query failure in the Display Port compliance application.
- Allow the user to select the polarity when doing an SMA calibration using Precision Probe.

Version 5.20.0008

Released Date:	11 November 2014
Operating System:	Windows 7

Bug Fixes

- Fix to measurement threshold setting when using Custom level +/- hysteresis.

- Fixed a problem with editing an existing transfer function.
- Normalize DC gain checkbox was fixed.
- Added back in Qualifying Thresholds when doing a Versus (XYZ Qualified) function.
- Fixed the ability to do GPIB measurement query.

Version 5.20.0006

Released Date:	30 October 2014
Operating System:	Windows 7

Enhancements

- Improved the performance of ASCII file save.

Bug Fixes

- Fixed the SELFtest:SCOPetest command to run a self-test, display the GUI and respond to queries.
- Offset range and other small fixes for the N7020A Probe.

Version 5.20.0005

Released Date:	17 October 2014
Operating System:	Windows 7

Enhancements

- Added source 3 and 4 to the function GUI for UDFs that support this number of sources.

Bug Fixes

- Fixed a bug in UDF calculation that was happening in a few scope configurations.
- Increased the efficiency in loading InfiniiSim transfer file.
- Fixed a problem with the “-nohpib” command turning off all remote connections.

Version 5.20.0004

Released Date:	7 October 2014
Operating System:	Windows 7

Enhancements

- The user can interpolate channel data when loading a file into Infiniium Offline.

Bug Fixes

- Fixed probe head selection slowness on the S-Series.
- Fixed decoding PACP_CAP_EXT1_ind in Unipro 1.60.
- Fixed histogram X axis windowing to plot small number of bin histograms correctly.
- Fixed a problem with MATLAB errors with InfiniiSim and no UDF license.

Version 5.20.0003

Released Date:	30 September 2014
Operating System:	Windows 7

Enhancements

- Keysight rebranding.
- Clock recovery per channel.
- Resizing the waveform does not cause statistics to reset.
- Resizing waveform area does not reset the color grade.
- Mask test does not depend on the size on the screen. It will always test as if full screen.
- Move the waveform to different areas using right click.
- Right click allows you to select 3 grids.
- HDMI 1.0 and 2.0 Clock Recovery preset will default using rising edge.
- Added remote commands for LIN and FlexRay.
- Can change the max number of bins for measurement and waveform histograms.
- Support for N7020A Probe

Bug Fixes

- General performance improvements.
- Able to save all segment data.
- Improved the performance of :DIG.
- Right click context menu comes up more easily.
- Ability to save images via the scope's webpage.
- Added keyboard shortcuts for items in the Control menu.
- Removed VNC support from the scope webpage. You will have to use UltraVNC.

Version 5.10.0005

Released Date:	1 August 2014
Operating System:	Windows 7

Bug Fixes

- Fixed a problem with importing multi-channel waveform data .h5 files from InfiniiVision products into InfiniiView.

Version 5.10.0003

Released Date:	8 July 2014
Operating System:	Windows 7

Bug Fixes

- Fixed a crash when using EZJIT

Version 5.10.0001

Released Date:	4 July 2014
Operating System:	Windows 7

Enhancements

- Changed the highlight color in list boxes and tabs to make it more clear what is selected.

- Enhanced the calibration procedure for the N2820A probe to allow for more accurate measurements.

Bug Fixes

- Fixed issues with the S-series memory options.
- Fixed an issue where the incorrect amount of available standard memory was incorrect on the S-series.
- Fixed several user interface defects.

Version 5.02.0009

Released Date:	25 June 2014
Operating System:	Windows 7

Bug Fixes

- Fixed an issue where there is a dramatic slowdown for all DSA model scopes.
- Fixed an issue where the S-series scopes did not have the right memory depth
- Fixed an issue with the 90000 X-Series where sometimes during a user calibration the scope application crashes.
- UFS decode now decodes the 1st packet data even if there is no previous packet with the EOM bit set.