

# Keysight Infiniium Oscilloscopes Software

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

## 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

<b>Released Date:</b>	<b>1 August 2014</b>
<b>Operating System:</b>	<b>Windows 7</b>

### Bug Fixes

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

## Version 5.10.0003

<b>Released Date:</b>	<b>8 July 2014</b>
<b>Operating System:</b>	<b>Windows 7</b>

### Bug Fixes

- Fixed a crash when using EZJIT

## Version 5.10.0001

<b>Released Date:</b>	<b>4 July 2014</b>
<b>Operating System:</b>	<b>Windows 7</b>

### 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

<b>Released Date:</b>	<b>25 June 2014</b>
<b>Operating System:</b>	<b>Windows 7</b>

### 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.