



# UTStudio 3 Public Manifest

January 31, 2018

## Minimum System Requirements

- Pentium 600-megahertz (MHz) processor or faster
- At least 2 gigabytes (GiB) of RAM
- At least 250 megabytes (MiB) of available space on the hard disk
- One of the following operating systems:
  - Windows XP (32-bit version with Service Pack 3 installed)
  - Windows Vista (32- or 64-bit version)
  - Windows 7 (32- or 64-bit version)
  - Windows 8 or 8.1 (32- or 64-bit version)
  - Windows 10 (32- or 64-bit version)

Feature	Viewer 	Standard 
Add or reduce software gain to a scan for better defect discrimination & sizing		X
Create a new configuration (.utcfg) file or modify & save modifications to an existing one		X
Export an A-Scan waveform to be re-called on an instrument as a reference (Reference A-Scan)		X
Export raw data to a CSV format for advanced or custom analysis purpose		X
Generate useful automatic measurements defect annotations		X
Produce automatic reports with a selection of defect measurements & scan parameters		X
Read configuration (.utcfg) files (for review or analysis)	X	X
Read data (.utdata) files (for review or analysis) <ul style="list-style-type: none"> <li>• Generate A-B-C-D-L-S-Scan &amp; Top-Side-End-TOFD views</li> <li>• Adjust gate, cursor &amp; color palette settings</li> <li>• Add gates &amp; cursors for sizing &amp; measurements</li> <li>• Create multiple sheets (layout work space) for analysis</li> </ul>	X	X
Save modifications (view, gate, cursor, color palette... settings) to a data (.utdata) file		X
Save & recall a custom sheet (view, gate, cursor, color palette... settings) for better productivity		X
Support 32 bit & 64 bit Windows operating system (XP-Vista-7-8-10)	X	X

UTStudio can open data (.utdata) & configuration (.utcfg) files from these devices:

- Veo+, Veo & Prisma (same version & any previous versions)

UTStudio (Standard only) manages (create, modify save) configuration (.utcfg) files that are compatible with these devices:

- Veo+, Veo & Prisma (same version & any later versions)

### **Important Application Notice (only UTStudio 64 bit)**

To upgrade an existing UTStudio 32 bit license to a 64 bit version :

1. Install the new UTStudio 32 bit version first, this will register the license to a proper place for 64 bit OS.
  - (a) If your PC OS is Windows 10, go in the about window of UTStudio and copy license ID and Password.
2. Uninstall UTStudio using the standard Windows program removal tools.
3. Install the UTStudio 64 bit version.
  - (a) If your PC OS is Windows 10, re-activate using license ID and Password copied at step 1.

If question, contact Sonatest service center for a detailed procedure.

## **2018-02-01 UTStudio 3.19.2**

### **New Features**

**116** Updated phased array probes and wedges database

## **2017-12-16 UTStudio 3.19.1**

### **New Features**

**061** Updated phased array probes and wedges database

## **2017-11-24 UTStudio 3.19.0**

### **New Features**

None

### **Fixed Issues**

**779** Fix invalid file handle messages pop-up for Windows installation/update

## **2017-09-27 UTStudio 3.18.12**

### **New Features**

**869** New Czech is now a supported language

**876** Improvements for CSV export

**930** UT wedge & probe database update

**934** New X0 low profile probes and wedges series has been added to the database

### **Fixed Issues**

**789** Fix Cartesian cursor not showing true depth measurement in certain views

## **2017-05-05 UTStudio 3.17.11**

### **New Features**

**378** Configuration Report according to ASME/API/AWS standards

### **Fixed Issues**

**695** Fix UtStudio not refreshing when loading utdata file with 2 sheets or more

**740** Compatibility issues with files created in version 3.8.2 or earlier

**757** Fix Compatibility issues for UTdata files recorded in version 3.11.x and older

## **2017-04-20 UTStudio 3.16.2**

### **New Features**

None, follows other products' software version ID.

## **2017-03-21 UTStudio 3.15.4**

### **New Features**

**434** New Scrolling C-scan in encoded view

**735** Updated Translation for all languages

### **Fixed Issues**

**029** Cartesian cursor not showing true depth measurement

### **Known Issues**

**740** Compatibility issues with files created in version 3.8.2 or earlier

## **2017-01-26 UTStudio 3.14.3**

### **New Features**

None, follows VEO+ and Prisma software version ID.

## **2016-10-25 UTStudio 3.13.3**

### **New Features**

**2227** New installer for UTStudio, requires to remove old version prior to installation.

**2165** TOFD Gate measurements improvement

### **Known Issues**

**1495** If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

**595** GPIO config lost when utcfg saved from UTStudio

## **2016-09-16 UTStudio 3.12.7**

### **New Features**

**1697** New ezDGS functionalities: curve importation from GE probe (single & twin crystal probes)

**1569** New PA natural focal mode (no-focusing)

**2005** New UI language: Japanese + updates on other languages

**1952** Remove existing integrated wedge when loading a probe without a wedge

### **Fixed Issues**

**2000** UTStudio reports doesn't list the right product

**2017** Correct the Max dB Ref in Annotation measurement

**2024** UTStudio uses lots of CPU

**642** Change the default value for Elmt Diameter of a mono circular probe

## Known Issues

**1495** If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

**595** GPIO config lost when utcfg saved from UTStudio

## 2016-06-22 UTStudio 3.11.7

### New Features

**440** New example files for PA-CSC (software option)

**1671** New UTDATA, UTCFG, PDF, IMAGE icons

**1799** New layout implementation

### Fixed Issues

**638** Code doesn't accept mono refracted at angle 90°

**1651** CSV EXPORT - UTStudio - Not all scan exported

**1789** Errors in UTStudio Measurements tab

**1798** Cross Hair cursor doesn't show the measurement at its intersection in many views

## Known Issues

**1495** If PC is upgraded to Windows 10, sometime it resets UTStudio License | WA contact Sonatest service with license ID number.

**595** GPIO config lost when utcfg saved from UTStudio

**335** Wrong maximum amplitude value in L-scan annotation area for non-rectified signal

**280** Measures in Part References don't consider Encoding Area offset + rotation

**49** When wedge is reference, error in distance between C and E cursors on merged C-scan

## 2016-05-02 UTStudio 3.10.11

### Fixed Issues

**90** Error in FL calculation - Beam exit point outside wedge

## 2016-04-21 UTStudio 3.10.10

### New Features

**1476** Update for multiple OS security fixes.

**1584** New layout for 5 Scan that includes a B-Scan.

### Fixed Issues

**1397** Mono DAC interface.

**1514** UTStudio files icons.

## 2016-03-15 UTStudio 3.10.8

### New Features

- UTStudio 64 bits now available, good for very large file size applications.
- Update on terms of many language options.
- License ID is now available from the about window.
- Addition of a new bank of Sonatest probes and wedges to the software database.

### Fixed Issues

- 935** Create Scan distance over 1000 mm removes weld overlay.
- 809** Weld overlay drawing error if horizontal right.
- 336** Gates shown along angular cursor don't stay attached when unlink.
- 232** Graphical dimensions in 3D view are not exported in report.
- 331** Error or missing measurement when moving angular cursor with mouse.
- 839** Element Diameter correction for Phoenix Probe.

### Known Issues

- 1495** Sometimes UTStudio license gets reset with windows 10 | WA contact Sonatest service with license ID number.
- 595** GPIO config lost when utcfg saved from UTStudio
- 589** Wrong proposed file name when exporting to csv from S-scan view
- 335** UTStudio: Wrong maximum amplitude value in L-scan annotation area for non-rectified signal
- 280** Measures in Part References don't consider Encoding Area offset+rotation
- 231** Redundant info in 3D view and wrong abbreviation used for focal distance
- 49** When wedge is reference, error in distance between C and E cursors on merged C-scan

## 2015-11-30 UTStudio 3.9.7

### New Features

- G-493** Annotation box out of bonds without measurements

## 2015-11-05 UTStudio 3.9.6

### New Features

- None, follows VEO and PRISMA software version ID.

## 2015-09-24 UTStudio 3.9.3

### New Features

- G-139** New inspection wizard - change S-Scan start angle 35°
- G-118** Set fixed aspect ratio to false on L-Scan (now wide by default)
- G-79** Add real depth data to annotation table
- G-64** Add a new measurement from wedge (to include X offset as per D-Series)

- G-53 Revision Layout / Templates / Examples / New Inspection Wizard
- G-41 Use hyperbolic cursor for annotations in TOFD
- G-38 Crosshair mouse in views of UTDATA file
- G-283 UTStudio: Correction of annotations table in French
- G-275 UTStudio: not able to add comments to annotations
- G-269 UTStudio crash when zooming in B-scan having annotation
- G-244 X Offset is out of range
- G-235 Peak indicator displayed at incorrect location
- G-212 UTStudio: Change the Report Type tooltip message
- G-208 File Name generation
- G-206 UTStudio: Multiple errors in 3D Views
- G-203 UTStudio: manipulating IFT gates issues when having more than one sheet
- G-119 Angular box not correctly positioned in L/S scan.
- G-98 Gate Width can be set to negative values
- G-77 Make gate level adjustment rounded anytime
- G-70 Add Hyperbolic Cursor spawns always towards bottom right
- G-55 Minor measurements mismatch between TOFD measure bar and TOFD view cursor

## **Known Issues**

- G-336 UTStudio: Gates shown along angular cursor don't stay attached when unlink
- G-335 UTStudio: Wrong maximum amplitude value in L-scan annotation area for non-rectified signal
- G-331 Error or missing measurement when moving angular cursor with mouse
- G-280 Measures in Part References don't consider Encoding Area offset+rotation
- G-277 UTStudio 3 should have a 64-bit version (a 64-bit version will be available with the next software release)
- G-232 UTStudio: graphical dimensions in 3D view are not exported in report
- G-231 Redundant info in 3D view and wrong abbreviation used for focal distance
- G-49 When wedge is reference, error in distance between C and E cursors on merged C-scan
- C-252 GPIO config lost when utcfg saved from UTStudio
- C-250 Wrong proposed file name when exporting to csv from S-scan view
- C-248 Change the default value for Elmt Diameter of a mono circular probe

## **2015-01-21 UTStudio 3.8.2**

Revision 240c3562

## Important Notice

UTStudio 3.8.2 can open data (.utdata) and configuration (.utcfg) files from these devices:

- Veo (all versions) Prisma (all versions)

UTStudio 3.8.2 produces configuration (.utcfg) files that are compatible with these devices:

- Prisma (3.8.2 and later) Veo (3.8.2 and later)

## Fixed Issues

**#7168** The wedge delay cursor now uses the same distance units as the ruler.

**#7064** If the layout only contains 'config' elements (3D, summary, measurements), we now warn the user that it is not a supported feature.

**#7040** Fixed crash when exporting PA view to CSV.

**#6656** Removed some unneeded version mismatch warnings.

**#6650** Fixed a memory leak that could have degraded the user experience over time.

Minor UI improvements.