



# UTSTUDIO+ PUBLIC MANIFEST



December 17, 2024

## Recommended System

- Intel® Core™ i7 processor or faster
- 16 gigabytes (GB) of RAM
- 256 gigabytes (GB) SSD hard disk
- One of the following operating systems:
  - Windows 7 (64-bit version)
  - Windows 8 or 8.1 (64-bit version)
  - Windows 10 (64-bit version)

<b>Feature Matrix</b>	UTstudio+ 	UTview 
<b>ACTIONS ON A SONATEST UTDATA (data file)</b>		
Generate HIGH-RESOLUTION TFM IMAGES from an FMC scan.	X	
Improve defect discrimination and sizing using SOFTWARE GAIN.	X	
Generate automatic measurements with the defect ANNOTATION BOX.	X	
Select measurements, scan parameters and images to generate automated and CODE-COMPLIANT REPORTS.	X	
Export an A-SCAN WAVEFORM to be re-called as a reference on another data set (REFERENCE A-SCAN).	X	
EXPORT RAW DATA to a csv format for advanced or customized analysis and reporting.	X	
Create and re-call PREFORMATED ANALYSIS TEMPLATE SHEET to speed-up similar or recurrent utdata analysis (BATCH ANALYSIS).	X	
Here are some of the standard and advanced data analysis tools: <ul style="list-style-type: none"> <li>• SHOW FMC-TFM-A-B-C-D-L-S scan views</li> <li>• SHOW TOP-SIDE-END-TOFD views</li> <li>• CREATE CUSTOMIZED SHEETS (layout work space) for analysis</li> <li>• MODIFY gate, cursor position &amp; color palette settings</li> <li>• ADD gates and cursors for sizing &amp; measurements</li> </ul>	X	X
SAVE ALL THE ACTIONS MENTIONNED ABOVE in a utdata files.	X	
<b>ACTIONS ON SONATEST UTCFG (configuration file)</b>		
CREATE NEW UTCFG configuration files.	X	
MODIFY and MANAGE existing UTCFG configuration files.	X	
OPEN and REVIEW parameters of an existing UTCFG configuration.	X	X

## Software Compatibility

- The Sonatest UTstudio+ and UTview are compatible with following instruments:
  - VEO+
  - PRISMA
- UTstudio+ and UTview are not compatible with first generation VEO16:64 and VEO16:128 (yellow enclosure). For these instruments, use the previous generation of UTstudio Standard and Viewer software (version 3), available at [www.sonatest.com](http://www.sonatest.com).

### 2024-12-03 UTstudio+ 4.5.7

#### New Features

**4771** License maintenance update to ensure the availability of the trial mode on UT Studio and UT Map software.

**4855** New probe configuration files added for the Wheel Probe 2, 1MHz, 102 Elements model.

#### Fixed Issues

**4870** Fix color palette display for data represented in depth value and collected using a non-rectified (RF) signal.

**4882** Fix the issue with measurements values from annotation boxes done on non-rectified (RF) signal.

### 2024-07-31 UTstudio+ 4.5.6

#### New Features

None, follows other products' software version ID.

### 2023-10-14 UTstudio+ 4.5.5

#### New Features

**4730** GE SEB4-0-E DGS probe has been added.

**4774** Probe and wedge database updated. It fixes some dimensions.

**4789** New multiscan acquisition layouts. Some get small scrolling top views for coupling check purposes.

**4793** 128E WP2 utprobes and examples files have been added.

#### Fixed Issues

**4587** TOFD Lateral Wave Straightening is fixed.

### 2023-01-17 UTstudio+ 4.5.4

#### New Features

None, follows other products' software version ID.

### 2022-11-26 UTstudio+ 4.5.3

#### New Features

None, follows other products' software version ID.

## 2022-03-17 UTstudio+ 4.5.2

### New Features

None

### Fixed Issues

**4567** It fixes data issues with IFT and C-scan views.

### Known Issues

**4289** Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

## 2021-10-22 UTstudio+ 4.5.1

### New Features

None

### Fixed Issues

**4557** Any valid TFM apertures beyond the 65th element now work.

### Known Issues

**4289** Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

## 2021-10-12 UTstudio+ 4.5.0

### New Features

**2828** The user can import focal laws under the inspection tab.

**3644** .law filename is displayed in the Inspection tab.

**3650** Utstudio+, Veo+ and Veo3 supports .law (and .pte) CIVA files.

**4309** The custom focal law persists when you reload that utcfg.

**4331** It is possible to set a custom focal law in UTstudio+.

**4412** There is a unique color to each TFM scan. The TFM scan tab colour is the same as its TFM ROI box.

**4426** For an ezDGS probe, you can now edit its refracted angle.

**4436** Top and End views get new extraction resolution parameters. (Under view properties)

**4448** The interface uses ROI (Region of Interest) terminology. ("ZOI" has been replaced by "ROI")

**4459** 6T and 7T propagation modes have been added. (also available in TFMi scans)

**4461** New X6BW flat .utwedge files.

**4469** New D1B flat wedges.

**4535** There are new X2B probes and wedges.

**4183** Utstudio+, Veo+ and Veo3 supports .law ES BeamTool files.

**4390** New TFMi scan type: Product operator.

**4402** Faster ROI computing; Spinner included.

## **Fixed Issues**

**4314** Cartesian cursors in MC-scan view: Index and scan position readings fixed.

**4396** Curved surface inspection in conventional UT; The user must manually update the "Contact Surface" parameter.

**4400** Unsaved IFT culling and circular ruler parameters are fixed.

**4490** Extra image sensitivity levels: 32x and 64x. (exclusive to product TFMi)

**4499** UTstudio+ s

## **Known Issues**

**4289** Touchscreen PCs are experiencing view refresh issue. Mouse events work around the issue.

**4557** Any valid TFM apertures beyond the 65th element do not work.

## **2021-04-07 UTstudio+ 4.4.0**

### **New Features**

**3688** Update of the D1S probe dimensions

**3950** New 5T TFM propagation mode

### **Fixed Issues**

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

**3687** New probe in UTstudio+ have all elements activated by default

**3717** TCG curve interpolation improvement when a TCG point is outside of the scan

**4223** Pulse width value of the MSEB4 probe has been updated.

## **2020-09-01 UTstudio+ 4.3.0**

### **New Features**

**3723** New Probes and Wedges have been added to our data base

## **2020-01-24 UTstudio+ 4.2.6**

### **New Features**

**3719** Additionnal layout on 3 linear scans set up.

### **Known Issues**

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

## **2019-06-21 UTstudio+ 4.2.4**

### **New Features**

None, follows other products' software version ID.

### **Known Issues**

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

## **2019-03-28 UTstudio+ 4.2.3**

### **New Features**

None, follows other products' software version ID.

### **Known Issues**

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

## **2019-03-12 UTstudio+ 4.2.2**

### **New Features**

**3653** Low profile X0AW wedge dimensions update

### **Fixed Issues**

**3614** B-Log representation is the same as B-Scan

### **Known Issues**

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

## **2018-11-22 UTstudio+ 4.2.1**

### **New Features**

**3182** Add WP2 New Encoder Configuration File (update Tick/s)

**3527** Integration of the User Manual in UTstudio

**3577** NEW Palette synchronization tool !

**3641** Include now Starc and TStarc UT probe file in the internal database

**3642** New ezDGS Karl Deutsch Probes added in internal database

**3250** Update D1S Probes Models

**3254** Width dimensions up to date on D1A wedge series

### **Known Issues**

**3614** B-Log representation is the same as B-Scan

**3616** CrossHair Cursor Value in B-LOG Scan with Depth Mode Is Not Working

## **2018-10-17 UTstudio+ 4.2.0**

### **New Features**

**2052** Maximum cursor and annotation quantity now fixed to 60

**3324** New automated contouring for improved visualisation of defective zone

### **Known Issues**

**3625** UTview displays feature not available message when load utdata

## **2018-04-26 UTstudio+ 4.1.0**

### **New Features**

- 2048** UTstudio+ is now a 64 bits software only
- 2454** Linear Scan elements resolution can now be set by user
- 3002** New TFM imaging solution and tools for UTstudio+
- 3117** New look and feel for UTstudio+
- 3135** Updated Translation for all languages
- 3157** New option to hide gates ID information in the A-Scan view
- 3162** Updated Help Files
- 3185** Increase probe number limitations for multiscan configuration
- 3193** Tabs and icons look & feel update
- 3211** Old veo16 (yellow veo) data file won't be compatible with UTstudio+