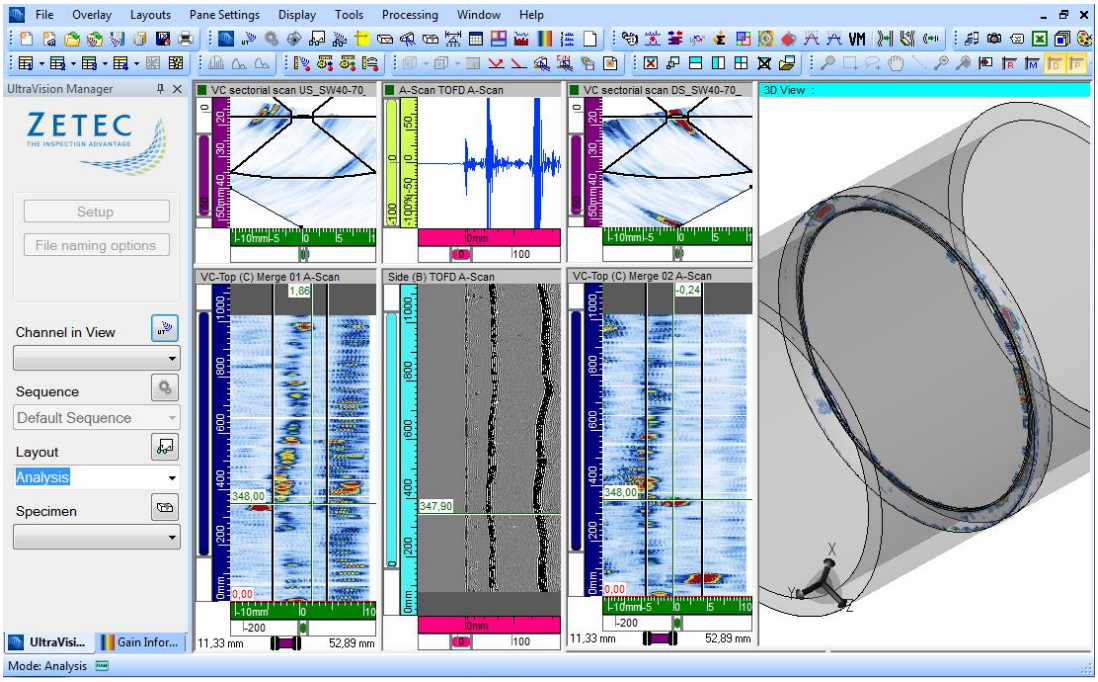
ULTRAVISION 3.8R16

Limitations and Remaining Anomalies



UltraVision, a complete UT and Phased Array inspection package!

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IMPORTANT MESSAGE

UltraVision® Classic 3.8R16 is the latest UltraVision release in UltraVision Classic software. This new version incorporates a series of new features and improvements as described in the Product Bulletin document.

Zetec is committed to the highest levels of product quality. Some limitations and remaining anomalies were detected during the validation campaign and are listed in this document.

If using UltraVision Classic 3.8R16 you detect any other limitations or remaining anomalies not included in this document, please contact us at the address: Support-UTProducts@zetec.com. Detailed information about the problem will help our software team to expedite the correction process.

Fixed Anomalies

Licensing

When only connected to a hardware license, UVData format is not available in the in Open data file window

Status:	**Anomaly** | **B2094**
Description:	When using a ZIRCON®, a QUARTZ, a DYNARAY®, DYNARAY Lite or a Z-Scan UT as a basic license for UltraVision, UVData format is not available in the in Open data file window, which made it impossible to open a data file.
Correction:	Using a ZIRCON®, a QUARTZ, a DYNARAY®, DYNARAY Lite or a Z-Scan UT give access to the same feature then a Basic license.

When only connected to a hardware license, the TCG cannot be turned on

Status:	**Anomaly** | **B2096**
Description:	When using a ZIRCON®, a QUARTZ, a DYNARAY®, DYNARAY Lite or a Z-Scan UT as a basic license for UltraVision, the TCG cannot be activated.
Correction:	Using a ZIRCON®, a QUARTZ, a DYNARAY®, DYNARAY Lite or a Z-Scan UT give access to the same feature then a Basic license.

Multi-device

In a multi-device configuration, information about the fan speed, battery charge and status is not available for every device

Status:	**Limitation** | **B1872**
Description:	In multi-device, information about the fan speed, battery charge and status is not available for every device.
Correction:	Information about the connected device is now available through the Advanced Instrument Status button in the Status bar. Once in the Instrument Status window, a drop-down list allows to select one of the selected device.

Specimen

RSP and DXF overlays are not displayed in Top(C) views

Status:	**Anomaly**	**B2088**
Description:	When using custom overlays (DXF and RSP format), the overlays are displayed on the Side(B), End(D) and Sectorial views, but not on the Top(C).	
Correction:	Custom overlays are now displayed correctly on every view.	

Advanced Focal Law Calculator

TFM simulation does not consider every selected element

Status:	**Anomaly**	**B2107**
Description:	When doing a TFM Software Beam Summation, the results only includes the signal from one element.	
Correction:	The TFM Software Beam Summation uses every selected element.	

UT Settings

TCG first point

Status:	**Limitation**	**B1632**
Description:	When TCG points are created in the UT settings or using the TCG calibration tool without the TCG enabled, the first point TCG is automatically set to Zero when TCG is enabled. This changes the TCG curve and it is necessary to recreate the missing point that will now become the second point.	
Correction:	When activating analog or analog + digital TCG, a first hard point is created at 0mm and the current hard gain. If TCG points were created before the activation, the hard point is added and the previously existing list is shifted.	

Tools

Wedge Definition Mode is not kept when opening new documents

Status:	**Limitation** | **B2100**
Description:	Every time a new document was opened, the wedge definition mode was reset to Legacy mode instead of remembering the Wedge Definition mode selected in the Application options the last time it was changed.
Correction:	When the Wedge Definition Mode is change in the Application options of the Tools menu, the change is applied to the current document and to every document further on.

Limitations and Remaining Anomalies

View Display

3D Drawing Tools: Display layout with Slicing or Cutting

Status:	**Anomaly**	**B0508**
Description:	After using the 3D Drawing Tools, the display layout with slicing and cutting is lost when switching layouts.	
Bypass:	None.	

Predefined Layouts: Gates not Completely Open

Status:	**Limitation**	**B0207**
Description:	When loading the predefined analysis layout "Analysis - PA - Top, Side, End", the gates are completely closed in the VC-End view instead of completely open.	
Bypass:	None.	

Special colors wrongly initialized on new C-Scan

Status:	**Anomaly**	**B1717**
Description:	Special color is wrongly applied to No Synchro data in Gate 0 with Synchro on Echo.	
Bypass:	None.	

Color Palette - Wrong color for Soft Gate2-Gate1

Status:	**Anomaly**	**B0611**
Description:	Color palette has the wrong color for Soft Gate2-Gate1.	
Bypass:	None.	

Advanced PA Calculator

Beam simulation on cylindrical specimens: Simulation stops at edge of specimen

Status:	**Anomaly** | **B0184**
Description:	When performing a beam simulation on a cylindrical specimen, the simulation ends once the edges of the specimen are reached.
Bypass:	None.

DYNARAY - DDF not properly set to Reverse Probe

Status:	**Anomaly** | **B0212**
Description:	When performing a beam simulation on a cylindrical specimen, the simulation ends once you reach the edges of the specimen.
Bypass:	None.

Calculator - in 125% Font size, missing fields

Status:	**Anomaly** | **B1746**
Description:	The fields Transmitter Wave and Receiver Wave, in the probe section are either partially or completely absent depending on the font size and language.
Bypass:	Reduce font size to 100% in system settings.

Tandem setups are not supported on TOPAZ

Status:	**Anomaly** | **B1707**
Description:	When loading a Tandem setup on UltraVision Touch, configuration is set to Pulse-Echo, when it should be set to Pitch/Catch for the tandem.
Bypass:	None.

Specimen Settings

Specimen Rotation

Status:	**Anomaly**	**B0366**
Description:	When rotating the specimen, the rotation value can range from -180° to 180°. When a value outside of this range is entered (ex: 270°), the value is automatically set at 180°.	
Bypass:	None.	

Ultrasound Settings

Full Matrix Capture – Time Base Modification

Status:	**Limitation**	**B0318**
Description:	With specific FMC configurations using a long timebase, timebase values can be changed without prior notification to the user. FMC configurations with longtime base can define a data range that is too big for the unit capacity.	
Bypass:	None.	

Soft C-Scan - Does not work on RF signal

Status:	**Limitation**	**B1747**
Description:	The soft-gate takes only the positive amplitude instead of the maximum amplitude in absolute value.	
Bypass:	None.	

Mechanical Settings

Encoder overlap

Status:	**Anomaly**	**2144**
Description:	Sometimes the encoders overlap when using an internal clock, which results in impossibly high encoder values.	
Bypass:	None.	

Analysis and reporting

Polar Offset does not work on views 'Merged'

Status:	**Limitation** | **B0789**
Description:	On Merged views, when applied on a polar specimen, cannot be offset like the others view types.
Bypass:	None.

Assisted Analysis - no detection of Through hole

Status:	**Limitation** | **B1429**
Description:	If a through hole is not crossing your detection gate, there's NO-DETECTION data in in C-Scan. The assisted analysis thus has no data to work with and is not able to detect the through hole
Bypass:	None.

Quality

All work is done in accordance with ZETEC Quality standards program, which complies with 10CFR50 Appendix B, ISO 9001:2008 and ISO/IEC 17025:2005.

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