UltraVision 3.11R4

Limitations and Remaining Anomalies

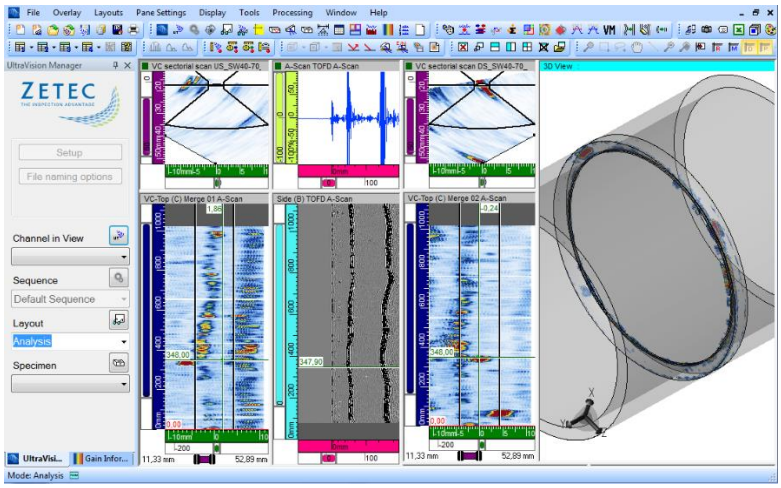

Table of Contents

IMPORTANT MESSAGE

UltraVision® Classic & Touch 3.11R4 is the latest release for the UltraVision software. This new software version incorporates a series of new features and improvements as described in the *Product Bulletin* and *Technical Guidelines* documents.

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.

When using UltraVision Classic or Touch 3.11R4, if you detect any other limitations or remaining anomalies not included in this document, please contact us at Support-UTProducts@zetec.com. Detailed information about the problem will help our software team to expedite the correction process.

UltraVision Classic - Fixed Anomalies

Unexpected crash can happen if software is used in any language other than English

Status:	**Anomaly**	**6948,9872,9868**
Description:	Unexpected crashes can be experienced when software is set to any language other than English.	
Correction:	Fixed	

Unexpected crash upon activating VC sectorial view for linear channel

Status:	**Anomaly**	**6321**
Description:	In analysis mode, if the user displays a VC Sectorial view for a Linear channel with the Linear option checked, any click on that pane will cause the software to crash.	
Correction:	Fixed	

Scrolling View: Uncorrected C-scan not working properly

Status:	**Anomaly**	**8133**
Description:	In scrolling view mode, the uncorrected C-scan is not scrolling.	
Correction:	Fixed	

Wedge Delay Calibration Icon not reset

Status:	**Anomaly**	**9956**
Description:	Wedge delay calibration icon stays green even in the case of recomputing laws.	
Correction:	Fixed	

Probe Skew not editable in UT settings

Status:	**Anomaly**	**9402**

Description:	The probe skew cannot be edited directly in the UT settings menu.
Correction:	Fixed

Auto-scrolling settings pane not fully displayed

Status:	**Anomaly**	**6932**
Description:	The auto-scrolling settings pane is not visible properly in View properties/Display.	
Correction:	Fixed	

UltraVision Touch - Fixed Anomalies

No visible views with French and Spanish language on PC

Status:	**Limitation**	**5487**
Description:	Once software is set to French or Spanish language, no views are visible after a restart.	
Bypass:	Fixed.	

TOPAZ – Unexpected shutdown when saving data after inspection pause

Status:	**Anomaly**	**6420**
Description:	Unexpected TOPAZ shutdown when save data is done after pausing inspection and scrolling through data.	
Correction:	Fixed.	

Encoder calibration – Unable to set distance

Status:	**Anomaly**	**12317**
Description:	It is not possible to set the distance of the encoder calibration when working in any language other than English.	
Correction:	Fixed	

Wedge delay calibration invalidated by wedge check calibration

Status:	**Anomaly**	**10452**
Description:	Wedge delay calibration was invalidated when user was accepting the wedge check calibration without apply.	
Correction:	Fixed	

Wedge delay calibration – Impossible to use sectors properly

Status:	**Anomaly**	**9941**

Description:	When using sectors in the wedge delay calibration, it is impossible to complete a calibration properly.
Correction:	Fixed

Wrong scaling in the scan plan report

Status:	**Anomaly**	**6928**
Description:	In UV Touch the scan plan view of the report does not have a proper scale on the images.	
Correction:	Fixed	

Last directory not kept when loading or saving layouts

Status:	**Anomaly**	**3498**
Description:	When loading or saving layouts, the software is always proposing to save in the default directory instead of the last one.	
Correction:	Fixed	

UltraVision Classic - Limitations and Remaining Anomalies

EMERALD – Incorrect signal when first element of sweeping (linear) TFM is not 1

Status:	**Limitation** | **602**
Description:	When configuring a sweeping (linear) TFM, if the first element of the sweep is not set to 1, the generated signal is not correct.
Bypass:	Always set linear TFM with the 1st element at 1.

PWI – Incorrect signal with deactivated element(s)

Status:	**Limitation** | **13237**
Description:	When deactivating element(s) manually or while performing an element check calibration; a drop of amplitude between 6 and 9 dB on the signal of PWI channels can be observed.
Bypass:	Do not deactivate elements when working in PWI configuration.

FMC Raw Data Saving limited to single channel live TFM or STF configuration

Status:	**Limitation** | **3601**
Description:	FMC Raw Data Saving is limited to single channel live TFM or STF configurations; the software shows an error message when trying to access the feature in a multiple channel setup.
Bypass:	None.

FMC Raw Data Saving is limited to active aperture of either 64 or 32 elements

Status:	**Limitation** | **3206**
Description:	When performing FMC Raw Data Saving, the active aperture must either be 64 elements, or 32 elements starting with 1st element to give correct results; if only 32 elements are used, the probe can NOT be reversed
Bypass:	None.

FMC Raw Data Saving - Reconstructed images are not correct if L-L or T-T is not used for the live TFM

Status:	**Anomaly**	**10541**
Description:	When performing FMC Raw Data Saving, the reconstructed images are not correct if any other wave mode than L-L or T-T is used for the live TFM.	
Bypass:	Use L-L or T-T in your TFM channel when doing FMC Raw Data Saving.	

Quartz – Incorrect TCG correction when using parallel firing mode

Status:	**Limitation**	**5978**
Description:	When a linear scan is created in parallel firing mode and TCG activated, a different TCG correction is applied to each aperture.	
Bypass:	None.	

TFM - Multiple reconstruction paths – Not possible to complete a Velocity calibration

Status:	**Limitation**	**9774**
Description:	When working in TFM multiple reconstruction path mode, it is not possible to complete a Velocity calibration	
Bypass:	Perform Velocity calibration while in single TFM reconstruction path mode, and then add additional modes (sub-channels) of the same wave type; the Velocity calibration of the “master” mode will be valid for the other modes. If modes with different wave types are required, an additional channel must be created.	

TFM - Multiple reconstruction paths – Gates not functional

Status:	**Limitation**	**9906**
Description:	Gates cannot be activated if more than one reconstruction path is configurated in a TFM channel.	
Bypass:	None	

Time Reversal - Inverting the encoder can cause no data feedback in inspection mode

Status:	**Anomaly**	**3530**

Description:	Changing the encoder polarity to “invert” can cause no data feedback in inspection mode for configuration with Time Reversal activated.
Bypass:	Use encoder in “normal” polarity for inspection mode.

Volumetric merge – Sectorial interpolation not working properly for some configurations with 2D matrix probes, e.g. with skewed beams

Status:	**Limitation** | **5906**
Description:	The sectorial interpolation of the Volumetric Merge is not working properly (creates erroneous images) for some configurations with 2-D matrix probes, e.g. when skewed beams are present in the data group.
Bypass:	Use Volumetric Merge without sectorial interpolation.

UltraVision Touch - Limitations and Remaining Anomalies

FMC Raw Data Saving limited to single channel live TFM or STF configuration

Status:	**Limitation**	**3601**
Description:	FMC Raw Data Saving is limited to single channel live TFM or STF configurations; the software shows an error message when trying to access the feature in a multiple channel setup.	
Bypass:	None.	

FMC Raw Data Saving is limited to active aperture of either 64 or 32 elements

Status:	**Limitation**	**3206**
Description:	When performing FMC Raw Data Saving, the active aperture must either be 64 elements, or 32 elements starting with 1st element to give correct results; if only 32 elements are used, the probe can NOT be reversed	
Bypass:	None.	

FMC Raw Data Saving - Reconstructed images are not correct if L-L or T-T is not used for the live TFM

Status:	**Anomaly**	**10541**
Description:	When performing FMC Raw Data Saving, the reconstructed images are not correct if any other wave mode than L-L or T-T is used for the live TFM.	
Bypass:	Use L-L or T-T in your TFM channel when doing FMC Raw Data Saving.	

TFM - Multiple reconstruction paths – Not possible to complete a Velocity calibration

Status:	**Limitation**	**9774**
Description:	When working in TFM multiple reconstruction path mode, it is not possible to complete a Velocity calibration	
Bypass:	Perform Velocity calibration while in single TFM reconstruction path mode, and then add additional modes (sub-channels) of the same wave type; the Velocity calibration of the “master” mode will be valid for the other modes. If modes with different wave types are required, an additional channel must be created.	

TFM - Multiple reconstruction paths – Gates not functional

Status:	**Limitation**	**9906**
Description:	Gates cannot be activated if more than one reconstruction path is configurated in a TFM channel.	
Bypass:	None	

TOPAZ16/64 & TOPAZ64/64 – Last 3 elements not functional on splitter

Status:	**Anomaly**	**11828**
Description:	When using a TOPAZ 16/64 or a TOPAZ64/64, the last 3 elements on both connectors of the splitter are not working properly.	
Bypass:	None.	

TOPAZ64 – Incorrect signal when first element of sweeping(linear) TFM is not 1

Status:	**Limitation**	**602**
Description:	When configuring a sweeping (linear) TFM, if the first element of the sweep is not set to 1, the generated signal is not correct.	
Bypass:	Always set linear TFM with the 1st element at 1.	

Weld inspection proposed setups - Scan scales not linked in analysis mode

Status:	**Anomaly**	**14286**
Description:	In cases where PA and TOFD channels are used for inspection, the view scales are not linked when the proposed setup is used.	
Bypass:	None.	

No probe cursors update in pause mode

Status:	**Anomaly**	**14274**
Description:	When pause without analysis is activated, in pause mode the probe cursor position is updated any more during scanner movement.	
Bypass:	None.	

Export indication table in .txt not functional

Status:	**Anomaly** | **12526**
Description:	When using the export to .txt function of the indication table, the created file format is not correct.
Bypass:	Use the same function in UV Classic.

Proposed setup - Not possible to change the mechanical sequence length

Status:	**Anomaly** | **13836**
Description:	With a proposed setup, if the user changes the scan stop in the mechanical settings, the scan length in the views stays stuck on the default value.
Bypass:	Build a setup from scratch.

TOPAZ16/64 – Proposed setup not functional on second channel with splitter

Status:	**Anomaly** | **13344**
Description:	When using a TOPAZ 16/64 and a splitter, any channel set on the second connector has no signal for the proposed setup
Bypass:	Build a setup from scratch.

TOPAZ – Not possible to create a report with a wedge delay calibration present.

Status:	**Anomaly** | **13875**
Description:	Error message appears and no report is generated on a TOPAZ if a wedge delay calibration is present.
Bypass:	Remove the wedge delay calibration for the report or create report in UltraVision Classic.

Weld Crawler – Not possible to inspect properly if selected encoder is not 1

Status: **Anomaly** **3180**

Description: If encoder ID selected is 2 with the weld crawler on auto-detect, the scan will not be performed correctly.

Bypass: Use Encoder ID 1 with the weld crawler on auto-detect.

Quality

All work is performed in accordance with ZETEC Quality standards program, which complies with 10CFR50 Appendix B, ISO 9001:2015 and ISO/IEC 17025:2017.

Toll free: 800.643.1771 (USA)

info@zetec.com

www.ZETEC.com