

ULTRAVISION SOFTWARE V3.12R27 RELEASE NOTES

Release date: August 1, 2024

Build version: 3.12R27

Compatibility

All applications and data files generated in UltraVision 3.2 and above are fully compatible with UltraVision 3.12R27; files generated in UltraVision 3.1 and below remain compatible for data visualization.

Equivalency Statement

UltraVision 3.12R27 is the latest upgrade for the UltraVision software both for the Touch and Classic versions. This software release includes several new features and improvements. Eddyfi Technologies' hardware and software development process is performed according to a quality system that is certified ISO 9001-2015.

With this certified software development process, Eddyfi Technologies guarantees that the changes between the previous UltraVision versions (3.5R10, 3.6R1, 3.6R5, 3.7R1, 3.7R21, 3.8R7, 3.8R11, 3.8R13, 3.8R16, 3.8R30, 3.9R9, 3.9R20, 3.10R7, 3.10R20, 3.11R4, 3.12R18 and 3.12R22) to UltraVision 3.12R27 have no consequences on the sensitivity and the accuracy of the signal amplitude and flight time outputs displayed, recorded, or automatically processed by the software. This also includes additions of mathematical modules used for the positioning of indications or for geometric conditions adjustments.

New Features

Functions and improvements listed hereafter are available for UV Classic versions unless stated otherwise. Nevertheless, TFM functions are only compatible with TOPAZ64 and Emerald units.

- N/A

Improvements

- N/A

Resolved Issues

- Issue #3-667 TOPAZ freezes when toggling to remote mode.
- Issue #3-685 Wrong wave type for certain wedges in database.



- Issue #3-479 Wave type not updated when wedge wave type changed.
- Issue #3-505 Element number field broken in UT settings for conventional on PA configuration.
- Issue #3-745 Focal law calibration gain not considered when reopening sensitivity calibration.
- Issue #3-894 UltraVision crashes with X- and K- type welds when gap is set to 0.

Known Issues, Limitations, Restrictions

- Issue #31291 - Difficulty using splitter with TOPAZ16 64/64 and TOPAZ64 64/64 configurations.
- Issue #30602 - Incorrect signal when first element of sweeping (linear) TFM is not one.
- Issue #31737 - Minor compatibility issues with setup created in UV 3.12R22 and loaded in previous UltraVision versions.
- Issue #5978 - QUARTZ - Incorrect TCG in Parallel firing mode.
- Issue #30148 - For FMC data recording in setups with more than one TFM or PWI channel, only Snapshot mode is available.
- Issue #31318 - Remove any license key from the PC when installing new version of UltraVision.
- Issue #30815 - ACS Calibration results are not present in the reports.
- Issue #31058 - When using Multi Monitor mode, set display parameters for all layouts on the main window of UltraVision.
- Issue #30771 - For PWI configuration with four focal laws (or lower), manually reduce the Recurrence to Auto to avoid slowing down the acquisition.
- Issue #30415 - Saturated signals with Offline TFM data reconstruction from live PCI channel.
- Issue #31170 - Generate Specimen Surface and Thickness feature not working.

Installing UltraVision on TOPAZ

To install the downloaded version on your TOPAZ:

- Save the file and unzip it on a USB drive.
- Connect the USB drive to your TOPAZ.
- Go to TOOLS > SYSTEM and click on System Update.
- In the dialog, you should already see the TOPAZ 3.12R22 installer from your USB drive, but if not, click on the arrow at the top-right corner of the dialog until you see your USB, and select the TOPAZ 3.12R22 installer.
- Click Install.

Note: TOPAZ (1st generation) does not support 3.12R22. Last supported version is 3.10R20.

Important: When installing the new versions of UltraVision (3.12R22) on the TOPAZ family for the first time, the installation process will take up to **10-15 minutes** since the installer file will also update specific driver versions on the TOPAZ device. Please make sure that the TOPAZ

device is plugged in (connected to its charger) while the version updates, and please do not manually shut down the device during the 10-15 minutes period.

Note: When installing the new version of UltraVision on PC, make sure that no license key is connected to the PC.

Minimum System Requirements

The following PC specifications are recommended for running UltraVision software:

- Windows 10 Pro (64-bit edition)
- Quad-core i7 3.6 GHz processor (Intel processor mandatory)
- Minimum of 16 Gb RAM
- High-speed (1 Gb/s) Ethernet link
- High performance graphics card (Nvidia® Quadro® M2000M w/4GB GDDR5)
- High performance SSD (Solid State Drive) 256 GB or bigger

For any questions, remarks, or support needs, please contact us at support@eddyfi.com