

RELEASE NOTE

Capture software version 4.0

This document describes the main enhancements of Capture version **4.0 released in June 2022**.

Platform information

Capture 4.0 is the embedded software platform for GEKKO and MANTIS and is now compatible to drive PANTHER Instruments.

For PC use, Capture CPN and Capture PRO allow to prepare a setup or realize data analysis and reporting.

 Capture 4.0 is available for all units/PC under valid software subscription plan

Data compatibility

All application and data files generated from version Capture v3.0 remain compatible.

Compatibility with external software suites:

- Compatible with Acquire 1.3 data files
- Compatible with CIVA Analysis planned for the next CIVA release

List of new features

Functions and improvements listed hereafter are available for hardware configurations.

Nevertheless, some functions depend on the package purchased concerning TFM features, advanced geometries, and advanced analysis tools.

Analysis improvement

- Assisted analysis module for PA weld inspection - **requires Internet connection for activation**
- Improved reporting workflow
- Reduced C-scan area export
- RWT auto-sizing and C-scan stitching for conventional UT corrosion mapping

TFM innovation

- New indirect TFM modes added (5T, 5L, LLT)
- Indirect modes enabled for PWI
- TFM range adjustment for artefact removal

Generic features & ergonomics

- L0 wedge height calibration assistant
- "All beams" mode for ACG calibration
- Update equipment libraries (Zetec, Testia, Olympus, Ionix...)
- Enhanced virtual keyboard (new characters added)
- PC UI optimization (3D views, wheel enabled...)
- Auto time-stamped filename

Modifications of existing features

- Advanced TCG faster with TFM
- Direct access to probe calibration tools In the probe panel
- Platform selection when launching Capture PC
- Max pipe length and diameter Increased
- Color overlay of the specimen accessible in the palette pop-up

Known issues

- Data missed when changing gain during scanning
- 5T and 5L not available for dual array probes
- Panther control limitations (ATFM disabled, scan speed issue with TFM)

System requirements

For PC use (setup design and analysis), the minimum requirements are as follows:

- Windows 10 (64bits)
 - ⚠ **Not compatible with Windows 11**
- Quad-core CPU @2GHz - no dedicated GPU required
- RAM 8GB
- 2GB free space on SSD

To run Capture v4.0 with a PANTHER unit, optimal PC requirements are as follows:

- Windows 10 (64bits)
 - ⚠ **Not compatible with Windows 11**
- Processor: Intel Core i9
- GPU: NVIDIA GeForce RTX 3080 ou RTX A5000 / 16 GB GDDR6
- RAM: 32GB, 2x16GB, DDR4, 3200MHz
- Disk: SSD, 1To, NVMe
- USB: USB-A 3.0 (equivalent to USB-A 3.2 Gen 1)
- Optic fiber / ethernet 10GB/s :
 - On laptop : USB-C 3.2 Thunderbolt 4.0.
 - On desktop : Slot PCIe x8

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