Capture software version 4.1

This document describes the main enhancements of Capture version **4.1 released on May 9th 2023.**

Compatibility

- All application and data files generated in Capture version 3.0 and above remain compatible
- Acquire 1.4 and 2.1 data files are compatible for analysis
- Compatible with future CIVA Analysis 2023 version (patch not yet available)

List of new features

PANTHER 2 full compability

Panther 2 data acquisition and analysis with improved Capture performances

- High speed FMC recording & TFM acquisition
- TFM grid resolution up to 1Mpi
- Beamforming PA focusing capabilities up to 128 elts
- Optimized adaptive TFM scan speed

TFM enhancements

- Phase Coherence Imaging (PCI) on GEKKO & MANTIS
- Pitch-Catch TFM with face-to-face probes
- Acoustic sensitivity map

Generic & ergonomic features

- 2D gates in TFM analysis
- Improved skip display on complex parts
- Global datafile reset
- Screenshot added to the indication creation workflow

Modifications of existing features

- PA probe & group naming modification
- "C-scan" renamed "Top View" in TFM inspection
- Additional decimal with Imperial unit for pitch edition

Known limitations

- PCI not available on Panther
- TFM 5T & 5L modes slow to be calculated

Fixed Issues

- License activation Issues
- Panther control Instabilities
- Various minor bug fixes

System requirements

Capture v4.1 is compatible with all MANTIS, GEKKO under software subscription plan. For PC use, the minimum requirements are as follows:

- Windows 10 (64bits)
- Quad-core CPU @2GHz - no dedicated GPU required
- RAM 8GB
- 4GB free space on SSD

To drive a PANTHER unit with Capture, PC recommendations are as follows:

- Windows 10 (64bits)
- 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