MES 7.0 detailed release notes

New features

- High-speed scanning at 40Hz at a resolution of 510×510 pixels on a FOV of 500×500 µm
- Imaging plane can be rotated with AO technique without any physical constraint according to all the three Euler angles
- Scanning plane can be extended to a volume as an alternative of Bessel beam technology
- With special scanning modes the activity of a cell and its dendrites can be followed in 3D (multiline, ribbon, snake, chessboard and cube scanning) fitting the drifting direction according to the actual viewport axes

- Acousto-optical drift scanning with special surface and volume elements can be used for reducing motion artefacts (3D Anti-Motion technology)
- Photostimulation enhancements
- Automatic cell detection
- A set of measurement parameters (e.g. rotation and translation of imaging plane) can be changed during measurement

User experience

- Improved visualization for Z-stacks and rotated planes in Raster Scan mode
- Display average on High Speed Frame Scan, Volume Scan and Special Scan modes
- Simplified GUI for Z-Stacks

Stability

- Femtonics Log Collection System for preventing and diagnosing issues

Compatibility

- This software branch no longer supports Femtonics galvo systems