

1 Purpose

This document describes the fixed bugs and problems as well as improvements in the following new firmware version in comparison with the previous version.

- New version: 8.0.3.50
- Old version: 8.0.1.136

2 New features

Topic	Description
Operating procedures with XTR	Build operating procedures on device with XTR capabilities: Never, Every Scan, Automatic, Prompted.
Autofocus standoff attachment functions	▪ Automatically obtains distance to target. ▪ Supports manual input for distance to target. ▪ Toggles aiming laser on and off.
XTR metadata	XTR metadata is added to sample data (supported only for MIRA XTR DS).
X and Y calibration	XTR supports X and Y calibration (supported only for MIRA XTR DS).
Default operating procedure (Smart Acquire)	Averages (t = time): ▪ $t < 0.1 = 15$ averages ▪ $0.11 < t < 0.25 = 8$ averages ▪ $0.26 < t < 0.6 = 6$ averages ▪ $t > 0.61 = 3$ averages Automatically uses XTR processing when fluorescence is detected.
	Splash screen can be changed to new logo.
New language packs	
Spelling corrections	"Mira" is updated to "MIRA".

3 Improvements

Topic	Description
Synchronization	Synchronization issue with MIRA Cal DS improved with new synchronization process.
Mixture match	Improved filtering and speed when matching to large libraries.

4 Fixed bugs

None.

5 Known issues

None.