1.2.14 rev 2687– June 2025

Issues fixed in this version:

- Short distance mode setting updated

1.2.13 rev 2676 – October 2024

Issues fixed in this version:

- VL53L3CX dynamic XTALK function update
- Set smudge step limitation to its maximum
- Rework the code to fix ‘no target detected below 900mm’

1.2.10 rev 2610 – April 2024

Issues fixed in this version:

- Error 4 happen after calibration data loading

1.2.9 rev 2602

Issues fixed in this version:

- Optimization of live smudge correction
- Corner case fix when new near target move into field of view

1.2.8 rev 2578

Issues fixed in this version:

- VL53L3 Linux Driver abnormal live cross talk update
- Extended range can't work with multiple targets in the Fov (leads to false target detection)

1.2.7 rev 2564

Issues fixed in this version:

- Fix -4 issue within DataInit
- Check timing configuration between timing budget and inter measurement period in VL53LX_StartMeasurement()

1.2.6 rev 2550

Issues fixed in this version:

- Power consumption too high in SD mode
- Detection rate drop fix
- Adapt amb_threshold_sigma to number of histograms merged when signal rate is >= 2Mcps with 90% of spads enabled
- treat root causes for potential NULL or out of bound pointers

1.2.5 rev 2524

Issues fixed in this version:

- Target disappears at 50cm on white target
- Incomplete calibration data

1.2.4 rev 2498

Issues fixed in this version:

- Ranging distance extension fails with multiple targets

1.2.3 rev 2488

Issues fixed in this version:

- NVM offset data for lensless sensors
- disable smudge correction by default
- propagate the new i2c address to the pdev->stat_nvm structure to align lldata with platform settings

1.2.2 rev 2472

Issues fixed in this version:

- SetUserROI function in vl53lx driver
- "Dev" parameter in platform's GetTickCount() function

1.2.1 rev 2454

Issues fixed in this version:

- Stack corruption risk

1.2.0 rev 2422

Issues fixed in this version:

- Implementation of extended ranging to increase the maximum distance ranging thanks to mixing range A and range B under some conditions
- Extended ranging is enabled by default in tuning params
- "legacy" Xtalk value reported in calibration data shall not vary due to histogram merging

1.1.5 rev 2405

Issues fixed in this version:

- reduce abnormal stack usage in nvm read functions, the buffer size was doubled due to outdated ncsim requirements

1.1.4 rev 2352

Issues fixed in this version:

- Compute average signal and ambient when histogram merging is enabled
- Prevent smudge correction when xtalk calculated is too far from current one.
- Reworked some code to match 80 columns checkpatch rule

1.1.3 rev 2344

Tickets fixed in this version:

- Upgraded ADDITIONAL_CALIBRATION_DATA_STRUCT_VERSION value to ease calibration data transfer
- Remove the 2 frame delay to start histogram merge
- Histogram merging infers unexpected calibration data changes

1.1.2 rev 2339

Tickets fixed in this version:

- TUNING_PHASECAL_PATCH_POWER enabled

- Remove the 2 frame delay to start histogram merge
- Upgraded ADDITIONAL_CALIBRATION_DATA_STRUCT_VERSION value to ease calibration data transfer

1.1.1 rev 2320

- Fix in Xtalk with histogram merging feature: wrong timing parity detected

1.1.0 rev 2310

- Histogram ranging features enhanced

1.0.0 rev 2274

- First release