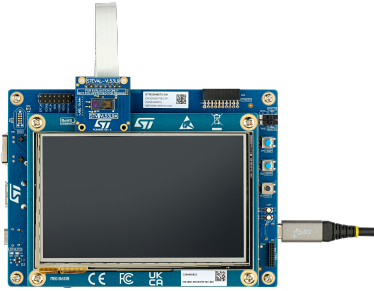


Software for STEVAL-VL53L9 with STM32 N6570-DK



Features

- Complete software framework for building applications using the VL53L9CX high-performance lidar direct Time-of-Flight (dToF) sensor on the STEVAL-VL53L9 evaluation board
- Built on top of a capture driver for sensor acquisition and a middleware library for data post-processing
- Several example applications illustrating the procedure to capture and post-process the data coming from the sensor through different interfaces
- Real-time visualization of sensor data on the on-board display
- Free, user-friendly license terms

Description

This software package provides a complete, ready-to-build STM32 firmware project demonstrating how to operate the VL53L9CX Time-of-Flight (ToF) multizone ranging sensor on the STEVAL-VL53L9 evaluation board, running on the STM32N6570-DK development board.

Built on top of the VL53L9CX core driver and a postprocessing library, it provides ready-to-run example applications to capture and process the sensor data, giving developers a working reference design to accelerate VL53L9CX integration into their own products.

A ready-to-use STM32CubeIDE project is provided to build, run, and debug the firmware. STM32CubeProgrammer might be required to sign and flash binaries.

To understand how to connect STEVAL to STM32N6570-DK development board refer to the user manual of [STEVAL-V53L9](#).

Revision history

Table 1. Document revision history

Date	Version	Changes
18-Jun-2026	1	Initial release

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