

# Upgrade of Zivid Two Calibration Model

At Zivid we are relentlessly pursuing product improvements and driving customer value, and as our valued Zivid Two user, we want you to be the first to access improvements and new capabilities.

In the upcoming SDK 2.4, we will introduce a new Zivid Calibration Model (ZCM v2.1.0) that further improves the accuracy of your Zivid Two 3D camera.

To get the best possible user experience, we have outlined a few things we want you to be aware of.

**#1** The new calibration model is available for all Zivid Two cameras shipped after June 20th, 2021. If you have received a camera after this date, your Zivid Two camera already contains the latest ZCM.

**#2** ZCM v2.1.0 requires Zivid SDK 2.4 (or later). Zivid SDK 2.4 is scheduled for release by the end of July 2021.

**#3** Start using ZCM v.2.1.0 today by downloading the preview version of SDK 2.4. (SDK 2.3 will default to ZCM v2.0.0.)

You can start using the new calibration model today and benefit from improved point cloud accuracy and try out additional new features with the SDK 2.4 installer available here: <https://www.zivid.com/downloads/preview>.

## Important:

If you upgrade or downgrade from Zivid SDK 2.3 and SDK 2.4 with a 3D camera with ZCM v2.1.0 installed, we recommend that you update your hand-eye calibration and in-field correction with the active SDK to achieve optimal calibration results.

You can of course continue to use SDK 2.3 until the official version of SDK 2.4. is available, but we strongly encourage all Zivid Two users to upgrade their Zivid SDK to the latest build when it becomes available.

Zivid Two 3D cameras shipped prior to June 20th contain ZCM v2.0.0. Cameras shipped with ZCM v2.0.0 have been verified to be excellent units and we have deemed that our updated calibration model (ZCM v2.1.0) would not yield noticeable improvement on the accuracy of these cameras. Therefore, our recommendation is to use the cameras as-is. Because they have the old calibration model the cameras will produce the same point cloud with both SDK 2.3 and 2.4, and no additional hand-eye calibration or infield correction will be required when switching SDK for these cameras.

## Note:

The preview version of SDK 2.4 has not undergone our official final testing and release approval. If you experience any problems, please let us know at [customersuccess@zivid.com](mailto:customersuccess@zivid.com).

You can find your 3D camera's calibration model version in the circular sticker on the bottom cover label on the camera. 3D cameras with "v2.1.0" already contain the upgraded calibration model and are ready for SDK 2.4.

FIGURE 1 - HOW TO LOCATE THE ZIVID CALIBRATION MODEL VERSION



We know that you care deeply about image quality, so we decided to release this as fast as possible - even if we know that this introduces some practical challenges on the way. We hope you appreciate our drive for improvements and that your experience with your new Zivid Two will be delightful!

- Team Zivid