



## Synset Signset Germany Dataset

## Synset Signset Germany Dataset © 2024

by Anne Sielemann<sup>1</sup>, Lena Lörcher<sup>2</sup>, Max-Lion Schumacher<sup>2</sup>, Stefan Wolf<sup>3,1</sup>, Masoud Roschani<sup>1</sup>, Jens Ziehn<sup>1</sup>, and Jürgen Beyerer<sup>1,3</sup> is licensed under <u>CC BY 4.0</u>.

To cite this dataset in your scientific work, please use the following bibliography entry:

Sielemann, A., Loercher, L., Schumacher, M., Wolf, S., Roschani, M., Ziehn, J. and Beyerer, J. (2024). Synset Signset Germany: A Synthetic Dataset for German Traffic Sign Recognition. In 2024 IEEE 27th International Conference on Intelligent Transportation Systems (ITSC).

In case of copy and redistribute or publishing an adapted version of our dataset, please provide the name of our dataset, the creator names, a copyright notice, a link to this website, a license notice with link to the license, and if changes were made, a disclaimer notice, and a short description of the applied changes. For example, as follows:

This work is based on the Synset Boulevard Dataset

by Anne Sielemann, Lena Loercher, Max-Lion Schumacher, Stefan Wolf, Jens Ziehn, Masoud Roschani, and Juergen Beyerer.

Link: synset.de/datasets/synset-signset-ger/

Licence: CC BY 4.0

Disclaimer: The authors are neither affiliated nor responsible for the applied changes.

© 2024 Fraunhofer IOSB, All rights reserved

This work was supported by the Fraunhofer Internal Programs under Grant No. PREPARE 40-02702 within the "ML4Safety" project, as well as funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK) within the program "New Vehicle and System Technologies" as part of the AVEAS research project (<a href="www.aveas.org">www.aveas.org</a>).

<sup>&</sup>lt;sup>1</sup> Fraunhofer IOSB, 76131 Karlsruhe, Germany, {anne.sielemann, stefan.wolf, masoud.roschani, jens.ziehn}@iosb.fraunhofer.de

<sup>&</sup>lt;sup>2</sup> Fraunhofer IPA, 70569 Stuttgart, Germany, {lena.loercher; max-lion.schumacher}@ipa.fraunhofer.de

<sup>&</sup>lt;sup>3</sup> Karlsruhe Institute of Technology (KIT), Vision and Fusion Laboratory (IES), 76131 Karlsruhe, Germany