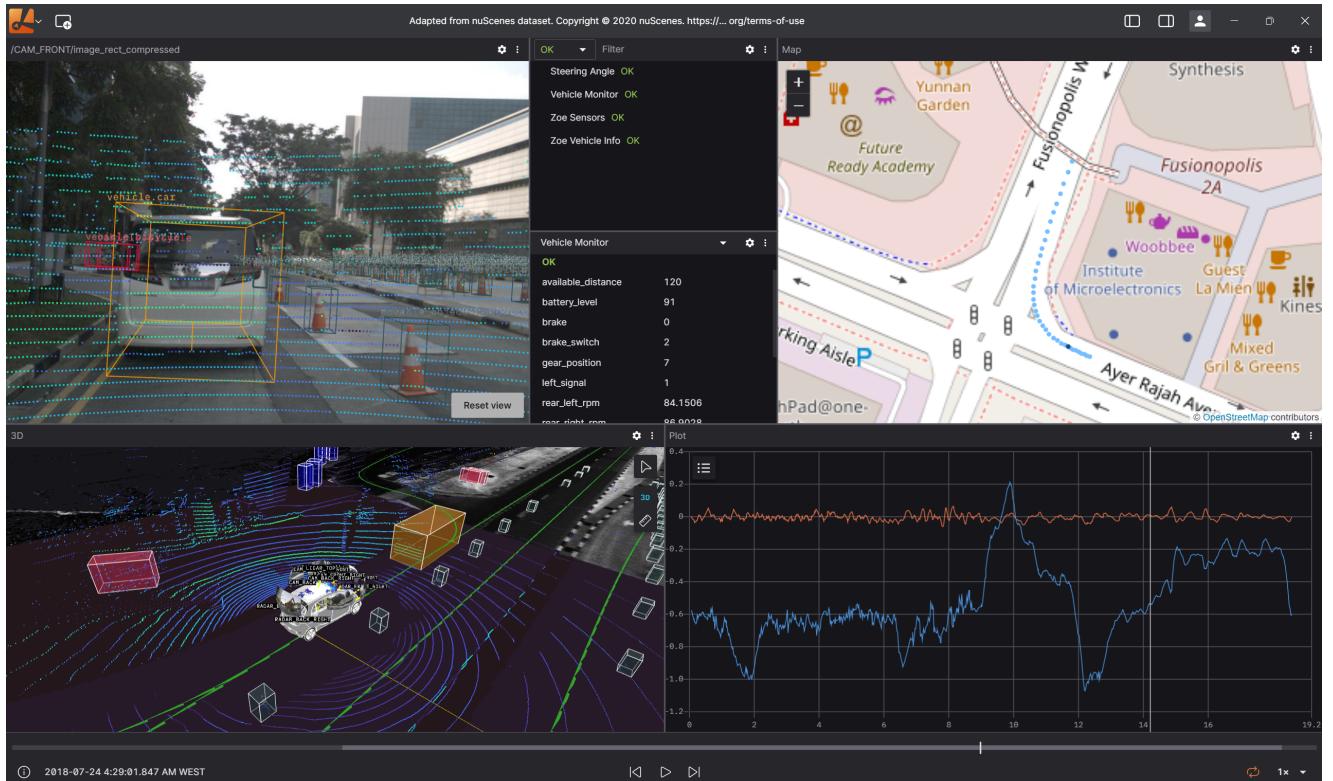


Autotblick

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Autotblick is an integrated visualization and diagnosis tool for robotics, available in your browser or as a desktop app on Linux, Windows, and macOS.



Dependencies:

- [Node.js](#) v16.10+

Getting started

From Docker

To run lichtblick via docker you can run:

```
docker run --rm -p 8080:8080 ghcr.io/lichtblick-suite/lichtblick:latest
```

And open in your browser: <http://localhost:8080/>

From source code

Clone the repository:

```
git clone https://github.com/lichtblick-suite/lichtblick.git
```

Pull large files with Git LFS:

```
git lfs pull
```

Enable corepack:

```
corepack enable
```

Install packages from `package.json`:

```
yarn install
```

- If you still get errors about corepack after running `corepack enable`, try uninstalling and reinstalling Node.js. Ensure that Yarn is not separately installed from another source, but is installed via corepack.

Launch the development environment:

```
# To launch the desktop app (run scripts in different terminals):
$ yarn desktop:serve          # start webpack dev server
$ yarn desktop:start          # launch electron (make sure the desktop:serve
finished to build)

# To launch the web app:
$ yarn run web:serve          # it will be available in http://localhost:8080
```

⚠ Ubuntu users: the application may present some issues using GPU. In order to bypass the GPU and process it using directly the CPU (software), please run lichtblick using the variable `LIBGL_ALWAYS_SOFTWARE` set to `1`:

```
LIBGL_ALWAYS_SOFTWARE=1 yarn desktop:start
```

:hammer_and_wrench: Building Lichtblick

fix: remote Lichtblick update

Build the application for production using these commands:

```
# To build the desktop apps:  
$ yarn run desktop:build:prod    # compile necessary files  
  
- yarn run package:win          # Package for windows  
- yarn run package:darwin       # Package for macOS  
- yarn run package:linux         # Package for linux  
  
# To build the web app:  
$ yarn run web:build:prod  
  
# To build and run the web app using docker:  
$ docker build . -t lichtblick  
$ docker run -p 8080:8080 lichtblick  
  
# It is possible to clean up build files using the following command:  
$ yarn run clean
```

- The desktop builds are located in the `dist` directory, and the web builds are found in the `web/.webpack` directory.



License (Open Source)

Autotblick follows an open core licensing model. Most functionality is available in this repository, and can be reproduced or modified per the terms of the [Mozilla Public License v2.0](#).

:handshake: Contributing

Contributions are welcome! Autotblick is primarily built in TypeScript and ReactJS. All potential contributors must agree to the Contributor License Agreement outlined in [CONTRIBUTING.md](#).



Credits

Lichtblick originally began as a fork of [Foxglove Studio](#), an open-source project developed by [Foxglove](#)