

Autoware Sensing Perception Working Group Meeting 2024-06-12 #4858

drwnz started this conversation in **Working group meetings**



drwnz on Jun 12

Collaborator

edited ▾

Administrative

- [Previous meeting](#)
- **Meeting time:** Every second Wednesday, 10am UTC (alternating with Mapping WG)
- [WG Google Drive](#)
- [Wiki page for this Working Group](#)
- [Shared issue list](#)

Attendees

▼ Chaired by David

- Taekjin
- Vivid
- Kenzo
- Koji
- Mehmet
- Max
- Dai
- Baris

Agenda

- Introduction of new attendees
- Review of [Issue List](#) and assignment
- Review of [Project Board](#) and assignment
- Nebula update: <https://github.com/tier4/nebula/tree/develop>
- Pointcloud preprocessor updates:
https://drive.google.com/file/d/18DgWZ2FT0Vx291qmvkPXW0J_SF630YRv/view?usp=drive_link

Discussion topics

- Nebula update: <https://github.com/tier4/nebula/tree/develop>
- Implement RTMDet to Perception Pipeline: [Implement RTMDet to Perception Pipeline](#) autoware.universe#7235
 - Dai: also working on semantic segmentation with Yolo

Category



Working group meetings

Labels

meeting:sensing-p...

2 participants



- Any plan to use the masks in perception tasks?
- Plan to use masks for trees, unknown objects etc.
- David: motivation for RTMDet?
 - Performance :)
- Minoda: any issues encountered using YoloX?
 - Autoware labs task: segmentation from YoloX is not great
- Pointcloud preprocessor updates:
 - https://drive.google.com/file/d/18DgWZ2FT0Vx291qmvkPXW0J_SF630YRv/view?usp=drive_link
 - Leodrive very interested in distortion corrector in 3D :)
- Perception Evaluation in TIER IV from Minoda: LINK
 - Mehmet: Also an evaluation task in Autoware
- Autoware module renaming:
 - <https://github.com/orgs/autowarefoundation/discussions/4097>
 - Some header file names may hit character limit
 - No strict timeline at this stage but P/C is not complete

Action items

- ☐ Prepare presentation for TIER IV's evaluation for next WG meeting

↑ 1

1 comment

Oldest

Newest

Top



technolojin

on Jun 12

Collaborator

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package name prefix of `autoware_`

Introduction: <https://github.com/orgs/autowarefoundation/discussions/4097>

Working package list: [#4569](#)

- Changes:
 - prefix `autoware_` will be added to package names
 - namespace under `autoware::`
- Preparation
 - investigating dependencies between repositories (for example, `autoware_universe` and `autoware_launch`)
 - modify points outside of packages
 - launchers
 - dependencies
- Open points
 - which packages to change
 - `autoware.universe/perception/*`

- `autoware.universe/sensing/*`
- maybe not the nebula driver
 - need to change the folder name contains the package?

↑ 2

0 replies