

Technical Report

For The ICRA 2019 RoboMaster AI Chenllage

Author

Yi-Kang Gu

Zhao-Yi Meng

Dongguan University of Technology
Electronics and IT

1 Tasks previews

2 Hardware

2.1 Overview

2.2 Advantage and Disvantage

2.3 Possible Problems

2.4 Solution

3 Software

3.1 Enviroment

As we know, a robot software system has two parts, the upper computer and the lower computer.

3.2 Overview

3.3 Frame

3.4 The Modules of Perception

3.4.1 Detection

3.4.2 Tracking and Hitting

3.4.3 Localization

3.4.4 Path planning

4 Decision

4.1 Tasks of a robot

4.2 Tasks of Two robots

References

- [1] Leslie Lamport, *LaTeX: a document preparation system*, Addison Wesley, Massachusetts, 2nd edition, 1994.