Technical Solution

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

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.