Stereo cameras with applications to traffic scenarios, traffic lights detection

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Abstract— **A traffic light recognition system is a very important building block in an advanced driving assistance system and an autonomous vehicle system.**

I. INTRODUCTION

A stereo camera is a type of camera with two or more image sensors. This allows the camera to simulate human binocular vision and therefore gives it the ability to perceive depth.

II. ABOUT

A. What is about?

TODO
Lorem Ipsum

B. Something

TODO
Sapana navaga

III. CONCLUSIONS

TADAM!
THE END

REFERENCES

[1] Andreas Fregin, Julian Müller, Klaus Dietmayer. Three Ways of using Stereo Vision for Traffic Light Recognition https://www.researchgate.net/publication/318810474 date accessed: 15.05.2021

[2] Andreas Fregin, Julian Müller, Klaus Dietmayer. Multi-camera system for traffic light detection: About camera setup and mapping of detections https://www.researchgate.net/publication/323792381 date accessed: 19.05.2021

[3] iroki Moizumi, Yoshihiro Sugaya, Masako Omachi, Shinichiro Omachi. Traffic Light Detection Considering Color Saturation Using In-Vehicle Stereo Camera https://doi.org/10.2197/ipsjjip.24.349 date accessed: 19.05.2021