Traffic image classification to identify the traffic density will support the traffic problems such as intelligent traffic signal control, traffic planning, etc. This paper proposes a novel traffic image classification method based on horizontal slice algorithm and histogram. The system model is designed and evaluated with the image datasets of Ho Chi Minh city, Vietnam. The best accuracy result can obtain 91%.

References

Traffic Image Classification using Horizontal Slice Algorithm

6. Xiangyun Ye, Mohamed Cheriet, Senior Member, Ching Y. Suen (2001), Stroke-Model-Based Character Extraction from Gray-Level Document Images, IEEE.

Index Terms

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Traffic image classification, horizontal slice algorithm, histogram