

Collecting and processing images using the OV7670 camera module

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Abstract: This topic focuses on the process of collecting and processing image data using the OV7670 camera module. The context for selecting this topic is determined by the need to realize automation and artificial intelligence applications, where image analysis capabilities play a crucial role. The objective of the project is to build an efficient image data collection and processing system to serve the training of machine learning models. The research method combines both theory and experimentation to ensure high accuracy and performance in the image collection and processing process. The expected results from the topic are not only a practical solution but also an important contribution to the development of image recognition technology.

Keywords: Image, OV7670 camera module, data acquisition, image processing