

0.1 Background

Based on the Faster R-CNN algorithm, this paper studies the application of deep learning in drones and verifies its effect on target detection. In order to overcome the above shortcomings, the system will use the embedded system mounted on the UAV for image processing and pattern recognition, which saves transmission bandwidth and shortens response time. The rest of this paper is organized as follows. In Section two, we analyze some region-based convolutional neural networks. Then, the system model and the entire process are shown in Section three. At last, the results and analysis are given in Section four

0.2 Related work

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