From machine learning to deep learning, AI is rapidly evolving. At the same time, image recognition, sensors, intelligent judgment algorithms continue to progress. As a result, the groundwork for driverless cars, once the stuff of science fiction, is already in place. From the national, social and enterprise levels, artificial intelligence is a hot issue. In these contexts, this paper aims to introduce the influence of artificial intelligence on the development of automatic driving technology and its specific application, and appropriately explore its future possibility. In fact, In the theoretical process of autonomous driving, no matter the perception of the surrounding environment, decision planning or control execution, control of AI is indispensable. At the same time, on the most critical level - safety, compared with human driving vehicles, the control of artificial intelligence has no emotion, which will make the control more accurate and ensure safety. In other ways, the combination of artificial intelligence and other technologies will create more possibilities. From a macro perspective, the automatic driving market has not been fully explored, artificial intelligence is constantly improving, and the prospect of automatic driving is very good.