Fast & Self-Stabilized Image Platform

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The photographic equipment on the roof of a sport utility vehicle takes pictures easily while the vehicle is moving. But due to the poor stability performance on a moving vehicle, the best shooting photos can’t be achieved. A fast-speed & self-stabilized image platform will solve this issue Research Procedure: 1. Taking the full consideration of the space in a sport utility vehicle; the reliability of the system and the accuracy requirement; combining the attitude measurement system and three-axis stabilized platform, a fast-speed & self-stabilized image platform is designed to achieve the stability purpose 2. Taking the consideration of not-user friendly operation system if a platform is put on the roof of a sport utility vehicle, a gamepad is designed to control the four-way direction 3. Coding the platform attitude control program, in order to achieve a fast & self-stabilized tracking purpose Conclusion: Accomplished the process of design and production for a brand new fast-speed & self-stabilized imagine platform. This platform can be widely used in animal protection, eco-environment protection, urban planning and disaster rescue & relief fields

Awards Won: