
Image shift compensation by piezoelectric actuators

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A possibility of using a piezoactuator as a jack of shift for taking pictures from fast-moving objects is considered. Examples of classical methods of image shift compensation are given. Compensator calculation of piezoelectric effect for the aircraft with specified characteristics is described. Some models of a piezoactuator that can be applied to create an image shift compensator are analyzed. It is shown that this actuator can be used for digital aerial cameras with a large field of view.

Keywords: *image shift compensator, piezoelectric actuator, a fast-moving object, air camera.*

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