Third Winner

Invention

Project Title

Three-Dimentional Imager
(3D Imager)

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Abstract

Nowadays, a lot of research has been done in order to make special instruments for taking 3D Images. Regardless of these studies, still we need special instruments and places for 3D film taking and showing. But by this new instrument (3D Imager), we can take 3D image film by common movie cameras and also watch the 3D image film by common monitors and T.V set. For making 3D images we need two images with differential views of human eyes. So this instrument can film and take photographs by using of fixed and non fixed mirrors like the human eyes. A series of gears with motor gear-box and micro-switches direct the mirrors versus together. This system can be installed easily to ordinary cameras and can control the zoom of the camera by cameras motor. So that, 3D image film taking and taking photographs is possible in every environment and situations by this 3D Imager.

Advantages of the project:

- Making 3D film just by using common and digital movie cameras and showing it with common monitors like television, different kinds of monitors and etc,
- Making 3D images by using common and digital cameras,
- This instrument is more cheaper than the special camera for taking 3D images,
- This instrument has the ability of higher focuses on different fixed and non fixed things regarding to previous instruments like this,

The quality of colors is so higher that you can see the real things,