Technology

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3D filming with a single lens camera p.3

***Abstract***

***Various optical systems and options for filming 3D technologies with a single lens camera, as well as the features of their design, are considered. The main consumer***

***characteristics of such systems are compared with each other, as well as with existing 3D filming technologies. Some data of optical systems and 3D filming technologies created***

***by the author of this article are given. The advantages and disadvantages of the main architectures of optical systems for 3D filming are considered. Practical recommendations for the use of 3D filming systems with a single lens are given.***

***Keywords: Invention, inventive problem, lens, aberrations, optical system, 3D, 4D, 5D, augmented reality, stereo effect, laser, optimization, bandwidth.***