

## 3D Images and Holography. A Brief Introduction

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**Abstract.** The tridimensional visualization of images is getting very important our day with applications of utmost importance in medicine and a wide range of industries and business. As well it plays a major role in virtual reality that appeals strongly to the young generations. In a simple hands-on explorative way we will make a brief elementary introduction to the concepts of 3D image and holography applying basic concepts of geometrical optical and of interferometry and diffraction and the properties of light in general.

**Keywords.** Hands-on Optics, 3D, Holography, Reflection, Coherence, Interference, Diffraction, Teacher Training.