


[DOWNLOAD](#)


Ultra-Realistic Imaging: Advanced Techniques in Analogue and Digital Colour Holography (Hardback)

By Hans I. Bjelkhagen, David Brotherton-ratcliffe

Taylor Francis Inc, United States, 2013. Hardback. Condition: New. Language: English . Brand New Book. Ultra-high resolution holograms are now finding commercial and industrial applications in such areas as holographic maps, 3D medical imaging, and consumer devices. Ultra-Realistic Imaging: Advanced Techniques in Analogue and Digital Colour Holography brings together a comprehensive discussion of key methods that enable holography to be used as a technique of ultra-realistic imaging. After a historical review of progress in holography, the book: Discusses CW recording lasers, pulsed holography lasers, and reviews optical designs for many of the principal laser types with emphasis on attaining the parameters necessary for digital and analogue holography Gives a full review of current photosensitive materials for colour holography Covers modern methods of analogue holography and digital holographic printing Introduces mathematical and geometrical notation for horizontal parallax-only holograms and practical computational algorithms for the full-parallax case Reviews systems and the image processing algorithms required to convert the raw image data to the format required by digital printers Develops the physical theory of the holographic grating and the hologram Provides an up-to-date review of illumination sources, including LED and laser diode sources Written by leaders in dynamic holography, this handbook provides complete coverage of real-time colour holographic processes,...



[READ ONLINE](#)
[6.93 MB]

Reviews

An extremely great ebook with perfect and lucid answers. This is certainly for anyone who stante that there was not a well worth looking at. Its been designed in an exceptionally simple way and is particularly only soon after i finished reading through this ebook in which actually transformed me, modify the way in my opinion.

-- **Libbie Farrell**

This composed pdf is excellent. It really is basic but excitement in the 50 % in the book. Your lifestyle span will likely be change when you comprehensive looking at this book.

-- **Tom Fisher**