

- | | |
|-------------------------|---|
| 1. Record Nr. | UNINA990000089980403321 |
| Autore | Istituto idrografico della Regia Marina |
| Titolo | Tavole nautiche / raccolte e pubblicate per cura dell'Istituto idrografico della regia marina ; direttore : M. Giavotto |
| Pubbl/distr/stampa | Genova : G. B. Marsano, 1915 |
| Descrizione fisica | XXV, 84 p. ; 30 cm |
| Disciplina | 623.892 021 2 |
| Locazione | FINBC |
| Collocazione | 13 N 45 09 |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
-
- | | |
|------------------------|---|
| 2. Record Nr. | UNINA9910755077203321 |
| Autore | Li Jin |
| Titolo | Cameras and Display Systems Towards Photorealistic 3D Holography / / by Jin Li, Jintao Hong, Yi Zhang, Xiaoxun Li, Zilong Liu, Yanyan Liu, Daping Chu |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023 |
| ISBN | 9783031458446
3031458443 |
| Edizione | [1st ed. 2023.] |
| Descrizione fisica | 1 online resource (147 pages) |
| Collana | Series in Display Science and Technology, , 2509-5919 |
| Altri autori (Persone) | HongJintao
ZhangYi
LiXiaoxun
LiuZilong
LiuYanyan
ChuD (Daping) |
| Disciplina | 621.36 |
| Soggetti | Optics
Telecommunication
Signal processing
Electronics
Photonics
Optical engineering |

Color
Vision
Applied Optics
Microwaves, RF Engineering and Optical Communications
Signal, Speech and Image Processing
Electronics and Microelectronics, Instrumentation
Photonics and Optical Engineering
Vision and Colour Science

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. 3D stereoscopic observations and reconstructions using conventional cameras -- Chapter 3. Light-ray-based light field cameras and displays -- Chapter 4. Holography and 3D hologram displays -- Chapter 5. Computer-generated holography -- Chapter 6. Wide-viewing angle holographic display systems -- Chapter 7. Coarse Integral hologram displays -- Chapter 8. Metasurface Holography -- Chapter 9. Summary and Future directions.
Sommario/riassunto	This book presents recent advances in three-dimensional (3D) imaging and display frameworks, encompassing three categories of 3D imaging and display technologies. The first category is nonphotorealistic 3D approaches based on conventional optical cameras to implement 3D stereoscopic observation of a scene. In the context of nonphotorealistic 3D imaging and reconstruction systems, the authors introduce general principles and also demonstrate camera calibration for 3D imaging, smart cameras, and full-link imaging methods using the optical modulation transfer function to improve imaging quality in conventional cameras. The second category is based on light-ray light field technology to achieve photorealistic 3D imaging and displays. In the context of light-ray light field systems, two approaches capable of light-ray light field 3D imaging by utilizing a camera array or a lens array are demonstrated. Accordingly, light-ray light field display approaches comprising head-mounted displays and integral displays are also introduced. The third category is also photorealistic 3D imaging and display technology, which is based on holography (i.e., diffraction or wavefront light field). In the corresponding holographic displays, the authors introduce 3D holographic displays from three elements: algorithms, devices, and systems, involving fast hologram generation algorithms, wide-viewing-angle display systems, and metasurface holography, etc. Including an investigative roadmap for future progress in optical imaging and 3D display systems, this book is essential reading for scientists and engineers in academia and industry who are interested in next-generation imaging and display concepts for 3D visual sensing systems.