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Titolo	Super-resolution imaging [[electronic resource] /] / edited by Subhasis Chaudhuri
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Descrizione fisica	1 online resource (294 p.)
Collana	Kluwer international series in engineering and computer science ; ; SECS 632
Altri autori (Persone)	ChaudhuriSubhasis
Disciplina	621.36/7
Soggetti	Imaging systems Image processing - Digital techniques Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Image Zooming: Use of Wavelets -- Generalized Interpolation for Super-Resolution -- Reconstruction of a High Resolution Image from Multiple Low Resolution Images -- Super-Resolution Imaging Using Blur as a Cue -- Super-Resolution via Image Warping -- Resolution Enhancement Using Multiple Apertures -- Super-Resolution from Multiple Images Having Arbitrary Mutual Motion -- Super-Resolution from Compressed Video -- Super-Resolution: Limits and Beyond.
Sommario/riassunto	Super-Resolution Imaging serves as an essential reference for both academicians and practicing engineers. It can be used both as a text for advanced courses in imaging and as a desk reference for those working in multimedia, electrical engineering, computer science, and mathematics. The first book to cover the new research area of super-resolution imaging, this text includes work on the following groundbreaking topics: Image zooming based on wavelets and generalized interpolation; Super-resolution from sub-pixel shifts; Use of blur as a cue; Use of warping in super-resolution; Resolution enhancement using multiple apertures; Super-resolution from motion data; Super-resolution from compressed video; Limits in super-

resolution imaging. Written by the leading experts in the field, Super-Resolution Imaging presents a comprehensive analysis of current technology, along with new research findings and directions for future work.
