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Collana	Artech House optoelectronics series
Altri autori (Persone)	DriggersRonald G JacobsEddie Lynn
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Basic principles of imaging systems and performance -- pt. 2. Basic principles of signal processing -- pt. 3. Advanced applications.
Sommario/riassunto	From image resampling to image fusion, this hands-on book brings a wealth of cutting-edge signal and image processing tools into focus. You get step-by-step details on a super-resolution image reconstruction methods that produces superior high-resolution images from low-cost, low-resolution video. You discover an image deblur/restoration technique that works even in the presence of high noise. The book includes contrast enhancement tools for generating the highest-contrast images in low-light situations, as well as non-uniformity correction (NUC) methods that most effectively reduce fixed-pattern noise from the imaging sensor. What's more, the book presents a special tone scale technique that creates the best image presentation whether on-screen or in print. You also find powerful image fusion techniques for improving such tasks as target recognition and identification. This well-illustrated book is supported with nearly 350 time-saving equations.

