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Autore	Jensen Timothy J
Titolo	Budget Astrophotography : Imaging with Your DSLR or Webcam // by Timothy J. Jensen
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-1773-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (257 p.)
Collana	The Patrick Moore Practical Astronomy Series, , 1431-9756
Disciplina	522.63
Soggetti	Observations, Astronomical Astronomy—Observations Astronomy Photography Astronomy, Observations and Techniques Popular Science in Astronomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Equipment -- Photographing the Night -- Now What? -- An Introduction to Image Processing -- Beyond Simple Photography.
Sommario/riassunto	Here are clear explanations of how to make superb astronomical deep-sky images using only a DSLR or webcam and an astronomical telescope – no expensive dedicated CCD cameras needed! The book is written for amateur astronomers interested in budget astrophotography – the deep sky, not just the Moon and planets – and for those who want to improve their imaging skills using DSLR and webcams. It is even possible to use existing (non-specialist astronomical) equipment for scientific applications such as high resolution planetary and lunar photography, astrometry, photometry, and spectroscopy. The introduction of the CCD revolutionized astrophotography. The availability of this technology to the amateur astronomy community has allowed advanced science and imaging techniques to become available to almost anyone willing to take the time to learn a few, simple techniques. Specialized cooled-chip CCD imagers are capable of superb results in the right hands – but they are all very expensive. If budget is important, the reader is advised on using a standard camera instead.

Jensen provides techniques useful in acquiring beautiful high-quality images and high level scientific data in one accessible and easy-to-read book. It introduces techniques that will allow the reader to use more economical DSLR cameras – that are of course also used for day-to-day photography – to produce images and data of high quality, without a large cash investment.
