

Budget Astrophotography: Imaging with Your DSLR or Webcam (The Patrick Moore Practical Astronomy Series)

By Timothy J. Jensen

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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.

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Editorial Review

Review

“The book itself is very informative - you don't just learn about how a telescope works and how to set it up, you also find out how your DSLR works, how to find the objects you're looking for and how to go about photographing them. … You can follow the book step-by-step and with a clear dark sky and the necessary equipment, you'll certainly get some nice photos of the night sky.” (Kadri Tinn, AstroMadness.com, May, 2015)

From the Back Cover
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About the Author
A Canadian by birth, Tim Jensen received his MSc in Astronomy at Swinburne University of Technology in Melbourne, Australia, where he is still employed as a Project Supervisor for Swinburne Astronomy Online (SAO). He is also an avid amateur astronomer.

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