



See The Difference

Deep Sky Imager II™



The Rosette Nebula. Image by Matt Taylor. 15 panel mosaic, 1 hour per panel (6 frames x 10 min. each), 80mm refractor, Meade Deep Sky Imager PRO II.

CCD ASTRO-IMAGER

The user-friendly astrophotography revolution continues. Introducing the new DSI II. It combines ease-of-use with a larger chip, greater sensitivity, higher resolution, and dramatically lower thermal noise. Meade engineers have invented a remarkable new way to reduce noise without a cooler. This means you can take exposures for hours at a time. And the new thermal monitoring sensors automatically match your dark frames to ambient temperature so it's nearly impossible to take an uncalibrated picture. The software includes a new zoom feature for easier focusing and the squared pixels of the new larger chip make processing simpler and images more beautiful than ever. The DSI II is the world's first un-cooled camera with low thermal noise. And that's as cool as it gets.



Deep Sky Imager II



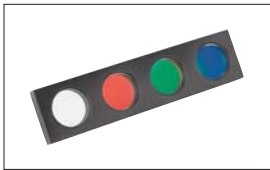
Deep Sky Imager Pro II

- **Deep Sky Imager II and Deep Sky Imager PRO II** - Two new cameras are being added to the Deep Sky Imager family of CCD imaging equipment. The Deep Sky Imager II boasts a 1/2" Color Sony CCD sensor. The Deep Sky Imager PRO II has a 1/2" Monochrome Sony CCD sensor. Achieve fast one-shot color images with the Deep Sky Imager II. With the greater sensitivity of the monochrome chip, go deeper with the Deep Sky Imager PRO II, and achieve greater detail with the CCD color filter set.
- **High Sensitivity (1/2") CCD Sensor from Sony®** - The Meade Deep Sky Imager II utilizes Sony's large 1/2" ExView HAD™ CCD Image Sensor. This sensor provides dramatically lower noise and higher dynamic range featuring a 16-Bit A/D converter.
- **USB 2.0 High Speed** - Download images with fast USB connection.
- **Multiple Imager Operation** - AutoStar® Envisage™ will support any number of Deep Sky Imager cameras and one LPI™.
- **Temperature Sensor** - The DSI II has a built in temperature sensor for fast and accurate auto-dark frame subtraction. The temperature sensor matches the current temperature of the CCD chip to each dark frame so it's nearly impossible to take an uncalibrated picture.
- **Less Noise Means More Data** - You get all the data from your Deep Sky Imager without compression, and that means no loss of information in your raw images.
- **Drizzle Technology** - Drizzle was developed by NASA for processing images from the Hubble Space Telescope. It will work on any AutoStar® Controlled Telescope. There are 3 enhancements that Drizzle adds:
 - 1 - **Increased resolution** - increase resolution without interpolation.
 - 2 - **Extended View** - a final image that is nearly 4 times larger.
 - 3 - **Field De-Rotation** - eliminate field rotation with simple 2-star selection.
- **Less Noise Means More Data** - You get all the data from your Deep Sky Imager without compression, and that means no loss of information in your raw images.
- **No Batteries Required** - Just plug the Deep Sky Imager's USB 2.0 High Speed cable into your laptop and you are ready to image or autoguide. No other power supplies are needed.
- **AutoStar Suite™ Software Camera control and image processing software** is included, eliminating the need to purchase expensive after-market programs.
- **Lightweight and Portable** - Weighs only 10 ounces and is very compact, measuring only 3.25" x 3.25" x 1.25" with no need for additional balance weights.
- **Versatile** - Deep Sky Imager works on any telescope and can also be used as a sensitive and simple-to-use Autoguider.



Deep Sky Imager II™

CCD ASTRO-IMAGER



CCD Color Filter Set - Bring vibrant color to images taken with your B&W Deep Sky Imager PRO by using Meade's optional CCD Color Filter Set. This high quality Dichroic CCD color filter set comes with Red, Green, and Blue interference filter's plus an IR blocking filter. Designed with multiple high transmission coatings and strong 3mm thick glass, these filters were designed specifically for the Deep Sky Imager PRO. They will also perform perfectly well

with standard filter wheels from other manufacturers. Meade CCD Color Filters come in the standard 1.25" diameter with black anodized filter rings. Their parfocal design means you will not need to re-focus when switching between filters. These unsurpassed interference filters offer the ultimate in specific wavelength transmission for true color images with minimum exposure times.

AutoStar Suite™ Software



Autostar Suite includes Sky Software, Image Capture Software, and Image processing Software, including these features:

- **Time Lapse photography tool** - Create movies of the rotation of Jupiter, moons transiting Jupiter, etc...
- **Auto and Manual exposure settings** - Let Deep Sky Imager™ optimize the exposure, or set it manually.
- **New Stretch Options** - Auto-stretch automatically brings out dim objects at short exposures. Optimizes the contrast of objects, with adjustable contrast settings.

- **Automatic Dark Subtraction** - Dark frames are automatically stacked and averaged, then subtracted giving you a clean image. Automatically align and stack images using state-of-the-art techniques.
- **Magic Eye™ focus** - For super fast, no-hassle focusing.
- **Live histogram** - Helps you optimize for the best exposure.

SPECIFICATIONS

	Deep Sky Imager PRO II	Deep Sky Imager II
CCD Sensor	High Sensitivity Monochrome Sony EXview HAD™ CCD Sensor	High Sensitivity Color Sony EXview HAD CCD™ Sensor
Pixels	752 x 582 pixels (437,664 pixels)	752 x 582 pixels (437,664 pixels)
Pixel Size (in microns)	8.3 microns (W) x 8.6 microns (H)	8.3 microns (W) x 8.6 microns (H)
A/D Conversion	16-bit (greater image depth and contrast)	16-bit (greater image depth and contrast)
Min. – Max. Exposure Time	1/10,000 of a second to one hour	1/10,000 of a second to one hour
Housing	Coated die-cast aluminum	Coated die-cast aluminum
USB Compatibility	High Speed 2.0 and 1.1	High Speed 2.0 and 1.1
Size / Weight of Product	3.25" x 3.25" x 1.25" / 10 oz.	3.25" x 3.25" x 1.25" / 10 oz.
	Model	Part# / UPC Code
	Deep Sky Imager PRO II	04524 / 7 09942 90007 1
	Deep Sky Imager II	04526 / 7 09942 90009 5
	Deep Sky Imager PRO II plus CCD Color Filter Set	04527 / 7 09942 90010 1



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