

 **CELESTRON**[®]

pixel perfect

Actual image taken with
Nightscape and EdgeHD Optics



95555



NIGHTSCAPE

Have you ever felt that a high quality CCD camera packed with features is too difficult to use and too expensive for most astro imaging budgets?

Think again. Celestron is pleased to announce Nightscape, a one shot, easy to use 10.7 MP color CCD camera. This compact, versatile camera comes with many sought after features found in professional grade astro imaging cameras costing thousands of dollars more. With its large image scale and resolution, planets, compact deep-sky and wide field objects will be captured in fine detail and true color fidelity. Nightscape comes with AstroFX software, which guides you with easy to follow, step-by-step instructions, from taking images to final processing. It does not get any easier than that.

Capture the sky tonight with Nightscape!

MODEL # 95555



www.CELESTRON.COM



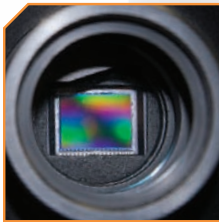
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NIGHTSCAPE

CCD CAMERA SPECIFICATIONS

Camera Resolution	10.7MP (3760x2840)
Sensor Size	17.9 mm x 13.5 mm (22.5 mm diagonal)
Pixel Size	4.75 micron square
Imaging Sensor	Kodak KAI-10100 Color Sensor
Exposure Range	.001 sec to 24hrs (2x2, 4x4 Bin); .01sec to 24hrs (1x1 binning)
Binning	2x2, 4x4
Cooling	Regulated Thermoelectric w/ Fan
Shutter	Internal Mechanical
Cooling Range	20C° below ambient
Operating Environment	40C° to -40C° (104F to -40F)
A/D Conversion	16 bit
Full Well Capacity	25,000 e-
Read Noise (RMS)	13 e-
Dark Signal (at 0° C)	2e-/pixel/second
Quantum Efficiency	32%@630nm; 42%@550nm; 40%@470nm
Dynamic Range	64 dB
Mounting	2" barrel and t-thread
Back Focus Distance	55 mm w/ 2" barrel; 26 mm w/o barrel
Download Time	11 sec or less for full-frame image
Software Compatibility	AstroFX, MaximDL, ASCOM Driver
USB Cable	High-Speed 2.0, 10' cable length
Sub-Framing	Full, Half, Quarter, selectable
Optical Window	High transmission Schott B270 glass
Optical Coatings	IR cutoff and anti-reflection multi-coatings
Power Cable	10' 12V DC power cable included
Weight	2 lbs (0.91 kg)
Warranty	2 year



Kodak KAI-10100
Color Sensor



Nightscape attached to
CPC Deluxe HD



Actual image of the
M8 Lagoon Nebula
taken with Nightscape
and EdgeHD Optics

AFX ASTRO FX

Included with your Nightscape is Celestron's innovative AstroFX software. AstroFX takes you step-by-step from snapping an image to processing the final result.

AstroFX gives you full control of your camera from temperature regulation, exposure control as well as computer assisted focusing for easy image acquisition. AstroFX knows just what to do with your images and calibration frames to create a final master image that's been stacked, stretched, sharpened, saturated and ready to share with your friends in a snap.

For complete specifications and product information please visit:

WWW.CELESTRON.COM