



AVEN

*High Performance Precision Tools and Optical Inspection Systems
for Industrial, Scientific and Research Applications*

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Tuesday, January 27th, 2009

Come and see Aven at MDM West, February 10-12, 2009 at the Anah

Infinity 2 CCD Color Camera 1.4 Megapixel



[larger image](#)

Lumenera's INFINITY2-1 1.4 megapixel CCD digital camera is a versatile solution for clinical, life science, materials science, and educational professionals working under low light conditions. With 1392x1040 resolution and on-board processing, the INFINITY2-1 delivers outstanding image quality for a wide variety of scientific applications. Live video preview provides for real-time focus. INFINITY2-1 auto exposure and auto white balance controls efficiently captures your optimal image. The INFINITY2-1 is fully supported by Lumenera's INFINITY CAPTURE and INFINITY ANALYZE software. An intuitive user application provides camera controls while full integration to popular third-party imaging applications is available through our TWAIN drivers. The USB 2.0 digital interface ensures a simple plug-and-play installation – and one standard cable minimizes camera clutter. No framegrabber required. INFINITY2-1 is supported by an experienced team of

technical support and imaging experts. We understand your imaging needs and are here to help you get the most out of your camera.

CAMERA SENSOR

Image Sensor 1/2" Interline Sony ICX205 1.4 megapixel color or monochrome progressive scan
 CCD sensor 7.6mm x 6.2mm array
 Effective Pixels 1392 x 1040, 4.65µm square pixels
 Frame Rate 15 fps at 1392 x 1040, >200 fps with binning and ROI
 Dynamic Range >66dB
 Digital Output 8 and 12-bit
 Read Noise 12 e- rms
 Readout Frequency 28.6 MHZ
 Dimensions 2.25 x 3.85 x 1.56 inches (enclosed)

CAMERA CONTROLS

Integration Time 1/1000 to 16 sec.
 Shutter Global Shutter
 ROI User Selectable
 Auto Exposure Automatic / Manual
 White Balance Automatic / Manual
 Gain Programmable / 1 to 10x optimizable
 Interface Connector Standard USB 2.0 high-speed interface

Dimensions (L x W x H) 3.85 x 2.00 x 2.75 inches
Lens Mount C-Mount lens adapter
Binning Options 2x2, 3x3, 4x4
Mass 300 g
Power Requirement USB 2.0 bus power, or external 5VDC - 500 mA
Power Consumption ~2.5Watts
Operating Temperature 0° C to +50° C
Operating Humidity 5%-95%, Non-condensing

Downloadable Documents

-  [Infinity Caputre & Analyze](#)

Model: 26100-220
Shipping Weight: 1.5lbs

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