



# AVEN

*High Performance Precision Tools and Optical Inspection Systems  
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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



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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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**Add to Cart**

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