



# 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 1 CMOS USB Color Camera 1.3 Megapixel



[larger image](#)

Lumenera's INFINITY1-1 digital camera is designed to be a cost-effective, versatile solution for clinical, life science, materials science and educational professionals. With 1280x1024 resolution and on-board processing, the INFINITY1-1 delivers outstanding image quality for a wide variety of scientific applications. Live video preview provides for real-time focus. INFINITY1-1 auto exposure and auto white balance efficiently captures your optimal image. The INFINITY1-1 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.

INFINITY1-1 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" CMOS format, color or monochrome, 6.5mm x 5.3mm array  
 Effective Pixels 1280 x 1024, 5.2µm square pixels  
 Frame Rate 30 fps at 1280x1024, 120fps at 640x480  
 Dynamic Range >60dB  
 Digital Output 8 and 10-bit uncompressed  
 Read Noise 20 e- rms

### CAMERA CONTROLS

Integration Time 1/1000 to 3 sec.  
 Shutter Rolling shutter with single frame capture  
 ROI User Selectable  
 Auto Exposure Automatic / Manual  
 White Balance Automatic / Manual  
 Gain Programmable / 1 to 10X optimizable  
 Interface Connector USB 2.0 high speed interface  
 Dimensions (L x W x H) 3.85 x 2.00 x 2.75 inches

Mass 300g  
Power Requirement USB 2.0 bus power, or external 5VDC - 500mA  
Power Consumption ~2.5Watts Print  
Operating Temperature 0° C to +50° C  
Operating Humidity 5%-95%, Non-condensing

**Downloadable Documents**

-  [Infinity Caputre & Analyze](#)

Model: 26100-215  
Shipping Weight: 1.5lbs

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