



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 3.1 Megapixel



[larger image](#)

Lumenera's INFINITY 1-3 digital camera is designed to be a cost-effective, versatile solution for documentation and archiving of clinical, life science, material science images where higher resolution is routinely required. With 2048x1536 resolution and on-board processing, the INFINITY 1-3 delivers outstanding image quality for a wide variety of scientific applications. Live video preview provides for real-time focus. INFINITY 1-3 auto exposure and auto white balance efficiently captures your optimal image. The INFINITY 1-3 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.

INFINITY 1-3 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" format, CMOS, color, 6.5mm x 4.9mm array |
| Effective Pixels | 2048 x 1536, 3.2µm square pixels |
| Frame Rate | 12 fps at 2048x1536, 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 | 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 |
| Operating Temperature | 0° C to +50° C |
| Operating Humidity | 5%-95%, Non-condensing |



Downloadable Documents

-  [Infinity Caputre & Analyze](#)

Model: 26100-216
Shipping Weight: 1.5lbs

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