


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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