Infinity 2 CCD Color Camera 1.4 Megapixel

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
- 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 Capture & Analyze

Model: 26100-220
Shipping Weight: 1.5lbs

Add to Cart: 1
