



## Outline

### ***See the difference megapixel makes!***

Lumenera's USB2 camera is the perfect compliment for your professional ID card system. Specifically designed for photo ID, the new Lu176C (Synercard Imago) provides ease of use for fast, accurate, color image capture within high volume imaging applications.

True plug-and-play with any laptop or desktop - connect the camera directly into your computer's USB port using a standard cable. Powerful integration with AssureID software providing just one-step ('click') for image crop and capture. The end result is no special training required to set-up or operate the camera!

Uncompressed images in live video mode provide quick photo-subject alignment. Strobe lighting provides high quality pictures in every lighting condition. Automatic adjustment of exposure and white balance provides accurate depiction of skin tones.

Interchangeable c-mount lens offers flexibility in shorter-longer working distances. Does not require a capture card - single USB cable for power, video and camera control.

All Lumenera products are supported by an experienced team of imaging experts. Products come with a full one (1) year warranty.

## Features

- ❑ Captures images instantly!
- ❑ Uncompressed pictures provide sharp edges and bright accurate colors
- ❑ Live video preview
- ❑ Single-click image crop and capture
- ❑ Auto white-balance, auto exposure
- ❑ Superb sensitivity
- ❑ High resolution image capture
- ❑ 1280 x 1024 pixel array
- ❑ Synchronized flash included
- ❑ High-Speed USB1 and USB2 interface
- ❑ Simplified cabling: Video and camera control over a single USB cable.
- ❑ Dimensions 6" x 3" x 2" (WxHxD)
- ❑ Standard tripod mount
- ❑ Ruggedized aluminum enclosure
- ❑ Included 16mm lens ideal for 4'-6' working distances.
- ❑ TWAIN and Direct Show compliant
- ❑ One year warranty

Image Sensor	<b>1/2" format</b>
Effective Pixels	<b>1280 x 1024 square pixels</b>
Frame Rate	<b>60 fps at 640x480, 200 fps at 320x240 (USB2)</b>
Sensitivity	<b>&lt;1 lux</b>
Exposure	<b>Manual</b>
White Balance	<b>Auto / Manual</b>
Dimensions (W x H x D)	<b>4.50 x 2.50 x 1.75 inches (not including lens)</b>
Mass	<b>300g</b>
Power Requirement	<b>External 6VDC, 500mA power supply included</b>
Power Consumption	<b>~2.5Watts</b>
Operating Temperature	<b>-10° C to +50° C</b>
Operating Humidity	<b>20%-80%, Non-condensing</b>
Interface Connector	<b>Standard USB</b>
Lens Mount	<b>Interchangeable C-Mount</b>
Optical Lens	<b>16mm lens provided (manual focus / fixed iris)</b>

### ***Minimum PC Requirements***

---

- 400MHz Intel or AMD CPU
- 32MB RAM (64MB recommended)
- SVGA Monitor at 800 x 600 resolution
- USB1 or USB2 port
- CD ROM Drive
- Software compatible with MS Windows 98 SE, ME, 2000 and XP

### ***Ordering Information***

---

- Lu176C – USB2 Color Camera
- LuSDK – Software Developer's Kit

***Full customization available to meet your exact needs!***