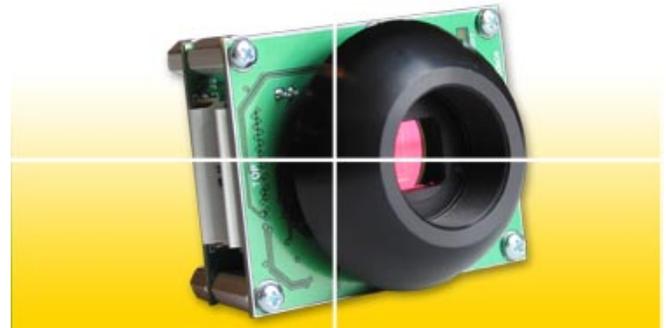
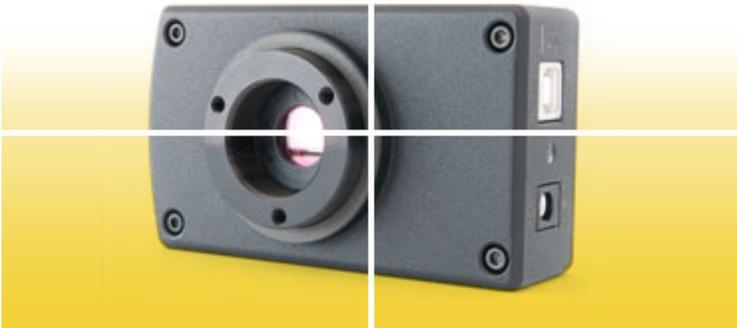


**5.0 Megapixel USB 2.0 Camera****Outline**

Lumenera's Lw570 and Lw575 series of megapixel cameras are designed to be used in a wide variety of applications, particularly where high resolution is required.

With 2592x1944 resolution and on-board processing these cameras deliver outstanding image quality and value for industrial and security imaging applications.

Uncompressed images in live streaming video and still image capture are provided across a USB 2.0 digital interface. No framegrabber is required. Advanced camera control is available through a complete Software Developer's Kit (SDK), with sample code available to quickly integrate camera functions into OEM applications.

Hardware and software based synchronization trigger is provided standard. Camera models are offered in both enclosed (Lw575) and board-level (Lw570) form. Custom form factor (sizes) as well as color and monochrome camera models are available.

An experienced team of software developers and application engineers supports all Lumenera products. We understand your imaging needs and are here to help you with your integration and development.

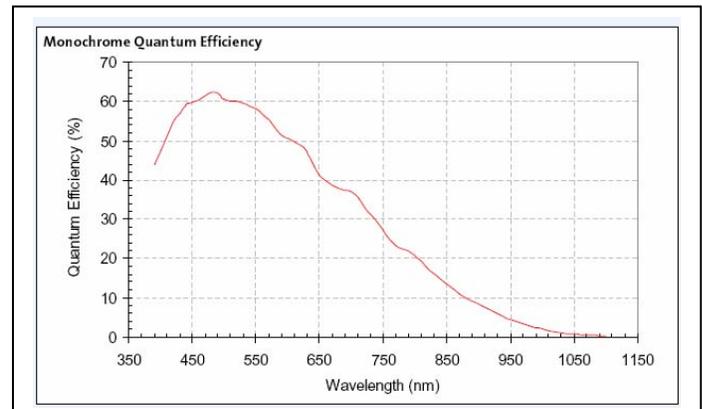
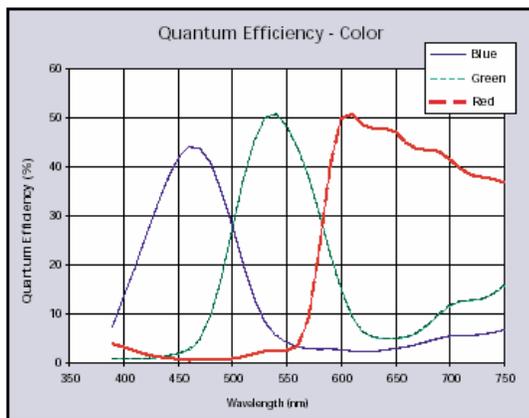
**Performance Features**

- 5.0 megapixel, color and monochrome, progressive scan sensor**
- High-speed USB 2.0 (480Mbps/sec)**
- Stable, reliable camera drivers for running multiple cameras on a PC or other USB devices**
- 7 fps at full 2592x1944 resolution, 60 fps at VGA resolution with full sub-window control**
- Auto white balance & auto exposure**
- Snapshot mode for use with strobe**
- GPI/Os for control of peripherals and synchronization of lighting (4in/4out)**
- FCC Class B, CE Ready**
- RGB Bayer video output**
- Select 8 or 12-bit pixel data**
- Simplified cabling - video, power and full camera control over a single USB cable**
- Adjustable C-Mount provided**
- USB cameras are software compatible with Windows XP and Vista 32 and 64-bit operating systems, Windows 7**
- Complete SDK available**
- Full one (1) year warranty**
- Dedicated I/O now available**

# Specifications

# Lw570/Lw575

Image Sensor	<b>1/2.5" format, color or monochrome, 5.7mm x 4.3mm array</b>
Effective Pixels	<b>2592x1944, 2.2µm square pixels</b>
Frame Rate	<b>7 fps at 2592x1944, 60 fps at VGA (sub-sampled)</b>
Sensitivity	<b>High</b>
Dynamic Range	<b>60dB</b>
Auto Exposure	<b>Automatic / Manual</b>
White Balance	<b>Automatic / Manual</b>
Dimensions (W x H x D)	<b>2.00 x 2.50 x 1.63 inches (board level)</b> <b>2.25 x 3.85 x 1.56 inches (enclosed)</b>
Mass	<b>~150g / 300g</b>
Power Requirement	<b>USB bus power, or external 5VDC, 500mA</b>
Power Consumption	<b>~2.5 Watts</b>
Operating Temperature	<b>0°C to +50°C</b>
Operating Humidity	<b>5% - 95%, Non-condensing</b>
Interface Connector	<b>Standard USB</b>
Lens Mount (Lens not included)	<b>C-Mount (CS-Mount option)</b>



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

**Available Options:**

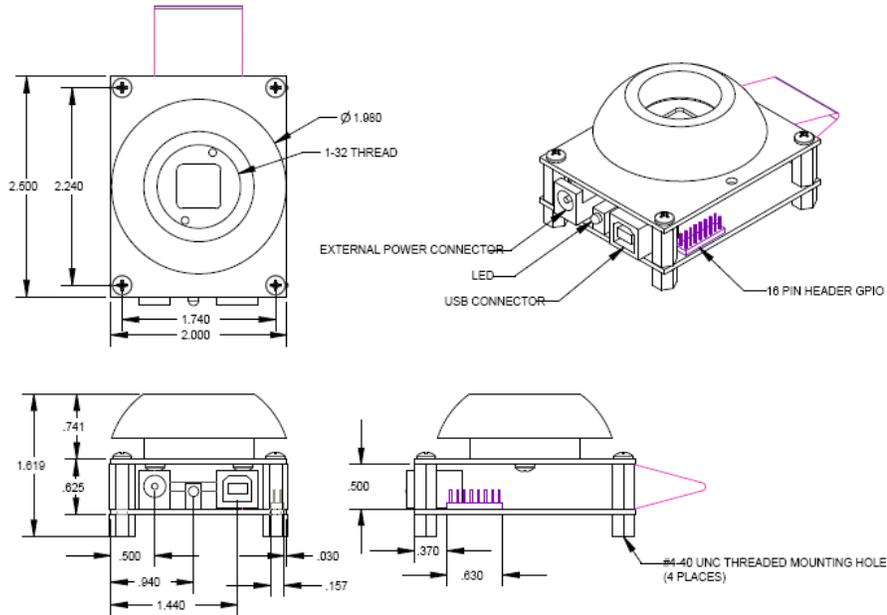
- Without Standard IR-Cut Filter
- Without Glass
- Without Mount
- Board Level
- Adjustable CS-Mount

Contact us for more specific details.

**Ordering Information**

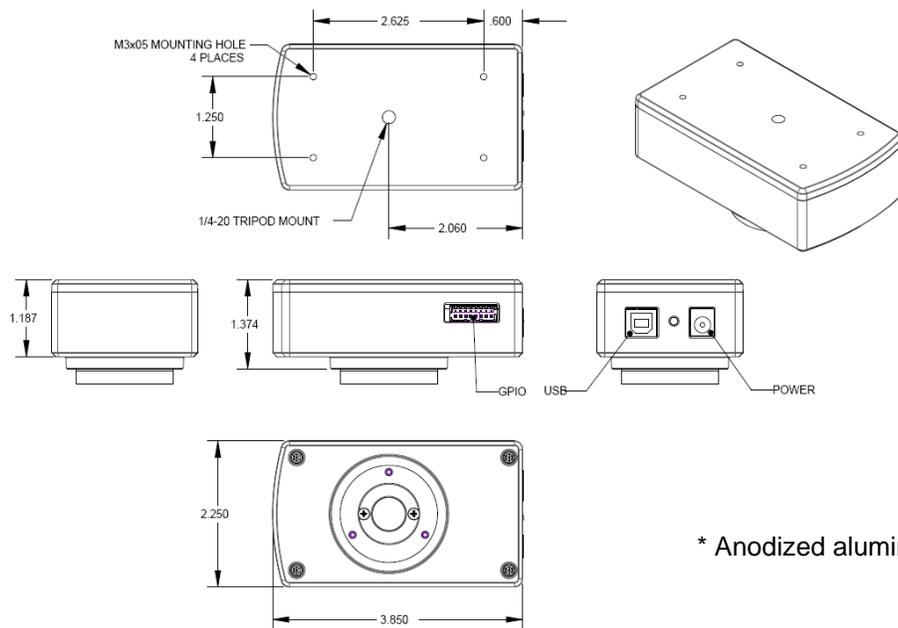
- Lw570C – Board Level Color Camera Module
- Lw570M – Board Level Monochrome Camera Module
- Lw575C – Enclosed Color Camera
- Lw575M – Enclosed Monochrome Camera
- LuSDK – Software Developer's Kit

## OEM Board-Level Camera Module



Lw570 BOARD LEVEL CAMERA

## Enclosed Camera\*



INDUSTRIAL DIE CAST CAMERAS

\* Anodized aluminum, std color - black