Lu370 & Lu375

3.1 Megapixel USB 2.0 Camera



High Resolution Images

Lumenera's Lu370 and Lu375 series of megapixel cameras are designed to be used in a wide variety of industrial and security applications requiring high resolution and modest cost. With 2048 x 1536 resolution and on-board processing these cameras deliver outstanding image quality and value.

Live Stream and Still Image Capturing

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, with sample code available to quickly integrate camera functions into OEM applications.

Customizable Form Factors

Hardware and software based synchronization trigger is provided standard. Camera models are offered in both color enclosed (Lu375) and board-level (Lu370) form. Custom form factor (sizes) camera models are available.

Application

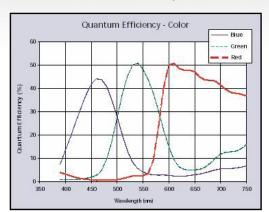
The Lumenera Camera SDK provides a full suite of features and functions that allow you to maximize the performance of your camera within your application. The SDK is compatible with all USB and GigE based cameras. Microsoft DirectX/DirectShow, Windows API and .NET API interfaces are provided allowing you the choice of application development environments from C/C++ to VB.NET or C#.NET. Full inline IntelliSense autocompletion and documentation is provided with the .NET API interface and is accompanied by a full API manual describing all the camera functions and properties.

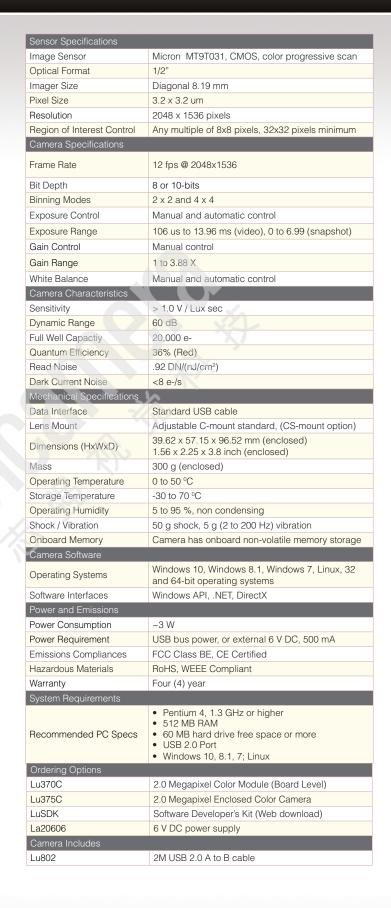
Features

- 3.1 megapixel, color, progressive scan sensor
- Low noise CMOS technology
- 12 fps at full 2048 x 1536 resolution 20 fps at 1600 x 1200 (sub-window)
- Higher frame rate at lower 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 10-bit pixel data
- Simplified cabling video, power and full camera control over a single USB cable
- C-mount provided
- DirectShow compatible
- Software compatible with Windows 10, Windows 8.1, Windows 7, Linux, 32 and 64bit operating systems
- Complete SDK available
- Four (4) year warranty



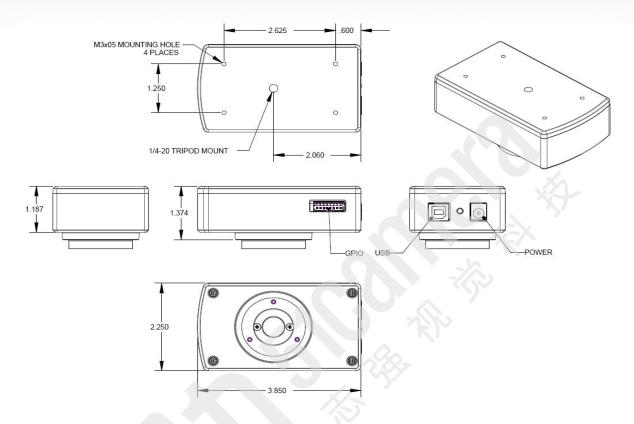
Color Quantum Efficiency Curves







Enclosed Mechanical Drawings



Board Level Mechanical Drawings

