

HIGH-RESOLUTION CAMERA LU-160

Outline

High resolution camera is a mega-pixel camera designed to be used in a wide variety of applications. The resolution 1392x1040 pixels ensures an image quality high enough for various industrial and scientific imaging applications. It is especially suitable for low-light conditions and application where high dynamic range is required.

Communication with PC is provided across a USB 2.0 digital interface.

Performance features

- ✓ High quality CCD sensor
- ✓ Monochrome, Interline transfer
- ✓ Progressive scan CCD, 1.4 Mega-pixel sensor
- ✓ High-speed USB 2.0 (480Mbits/sec)
- ✓ 15 fps at full 1392x1040 resolution, 30 fps 640x480 (binned)
- ✓ Binning option (2x2, 3x3x and 4x4) improve sensitivity and provide higher frame rates
- ✓ Simplified cabling - video and full camera control over a single USB cable
- ✓ USB camera is software compatible with 32 bit Windows XP, Vista and Windows 7 operating systems

PC requirements

Processor: Athlon Dual Core X2 or Phenom Dual Core - 2.8GHz

Intel Core2 Duo 2.8GHz, FSB 1066 MHz

Intel Core i3, i5 2.8 GHz

RAM: 4 GB

Operating system: 32 bit Windows XP, Vista and Windows

Specifications of Lu-160

Monochrome Response

Image Sensor

2/3" format, 10.2mm x 8.3mm array

Effective Pixels

1392 x 1040, 6.45 μ m square pixels

Frame Rate

15 fps at 1392 x 1040, 30 fps at 640x480 (binned or ROI)

Sensitivity

High

Dynamic Range

66dB

Mass

~150g / 300g with enclosure

Power Requirement

External 6VDC, 800mA (included)

Power Consumption

~4 Watts

Operating Temperature

0°C to +50°C

Operating Humidity

0% - 95%, Non-condensing

Interface Connector

Standard USB 2

Lens Mount (Lens not included)

C-Mount (CS-Mount option)

Spectral response curve

