



## Outline

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

Lumenera's Le255 series of megapixel cameras are designed for higher-end security applications, particularly in low-light conditions and where high dynamic range is required.

Streaming full 1920x1080 resolution at 15 fps, these cameras deliver outstanding picture quality and performance. Adjustable JPEG and MJPEG compressed still-images or streaming video are provided across a standard 10/100BaseT network interface.

Lumenera has simplified IP camera installation with a straightforward plug-and-play process. Intuitive user interface viewed with most browsers provides standard camera control.

The I/O connector provides an interface to an external alarm sensor or control of peripheral equipment such as; IR lighting, strobe and PTZ. Alarm notification provides the date, time and camera IP address.

Programmable day/night settings automatically switch to enhanced low-light mode. When integrated with NIR illuminators, provides outstanding nighttime performance.

The user defined motion detection parameters across multiple zones provide more accurate triggering of alarms, while programmable privacy zones ensure compatibility with all regulations.

On-board memory buffers supply still images that precede and follow alarm events. Transfer of images via email, FTP, RTP or HTTP.

Lumenera's Le255 is provided with a larger SLR k-mount – to provide remote control of focus and iris through standard SLR lenses. Camera can be mounted stand-alone or by means of standard environmental enclosures. Call with your enclosure requirements today.

## Product Features

- Outstanding** image detail
- Auto focus, Auto iris**
- Easy installation and set-up**
- 1000+ lines of resolution, color or monochrome, progressive scan, 2.0 megapixel, HD CCD sensor**
- 15 fps at full 1920 x 1080 resolution  
30 fps at 1920 x 480 resolution**
- Feature rich camera functions:**
  - Auto White Balance & Auto Exposure**
  - Day/Night Mode**
  - Configurable Compression Ratio**
  - Multiple motion detection zones**
- I/O control of alarms, strobe, PTZ, lighting or other peripherals**
- Image transfer via HTTP, FTP, RTP, or Email**
- Camera Control via HTTP, XML-RPC, Telnet or Microsoft COM**
- Security / Password Protection**
- FCC Class B, CE Certified**
- K-mount standard (call for CS and C-mount options)**
- Compatible with most Operating Systems (Windows™ 98 SE, Windows ME, Windows 2K, Windows NT and Windows XP, as well as Linux and Mac)**
- Full 1 year warranty**

# Specifications

# Le255

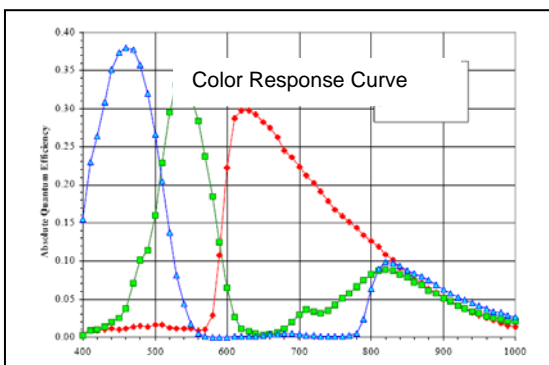
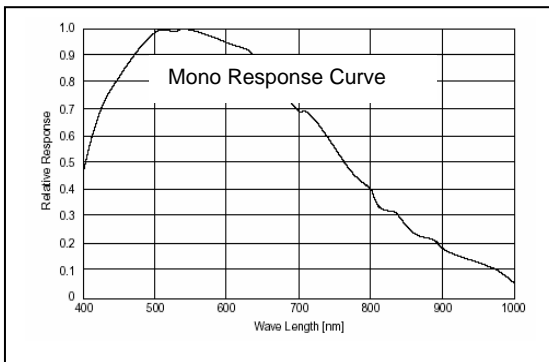
|                       |   |
|-----------------------|---|
| Image Sensor          | <b>16:9, 2/3" format, color or mono</b>   |
| Effective Pixels      | <b>1920 x 1080, 7.4um square pixels</b>   |
| Frame Rate            | <b>15 fps at 1920 x 1080, 30 fps at 1920 x 480</b>  |
| Dynamic Range         | <b>64dB</b>   |
| Sensitivity           | <b>&lt;0.5 lux at F1.0</b>  |
| Auto Focus            | <b>Automatic / Manual (when used with SLR lens)</b>   |
| Auto Iris             | <b>Automatic / Manual (when used with SLR lens)</b>   |
| Auto Exposure         | <b>Automatic / Manual</b>   |
| White Balance         | <b>Automatic / Manual</b>   |
| Dimensions            | <b>3.0" x 3.0" x 8.5" (W x H x D) TBD - not including lens</b>  |
| Mass                  | <b>~600g</b>  |
| Power                 | <b>9-24V AC or DC, ~5 Watts</b>   |
| Operating Temperature | <b>-10° C to +50° C (environmental enclosure will provided extended temperatures with fan / heater)</b> |
| Operating Humidity    | <b>5%-95%, Non-condensing</b>   |
| Interface             | <b>RJ45 twisted pair cable, 10/100baseT Ethernet</b>  |
| Lens Mount            | <b>K-mount (for SLR lens) lens not included</b>   |
| Image Buffer          | <b>48 MB standard, 128MB optional</b>   |

## Recommended PC Specifications

O/S: Windows 2000 (SP 3), or XP (SP 1)  
CPU: 2.8GHz or above Pentium computer  
(required for full frame rate preview)

600Mhz or above Pentium  
compatible computer (for basic  
functionality)

Network: 100 Mbps Ethernet LAN  
Browser: Internet Explorer v6.0



## Ordering Information

|        |                                   |
|--------|-----------------------------------|
| Le255C | - 2.0 Megapixel Color Camera      |
| Le255M | - 2.0 Megapixel Monochrome Camera |