

## 2.0 Megapixel Network Camera



## Outline

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

Lumenera's Le275 series of megapixel cameras are designed for general and high-end security applications.

Lumenera has simplified IP camera installation with a straightforward plug-and-play process. Intuitive user interface viewed with most web browsers provides standard camera control. Power over Ethernet (PoE) simplifies installation and reduces cabling and installation costs.

Capturing full 1600x1200 resolution at 20 fps, these cameras deliver outstanding picture quality and performance. Adjustable JPEG compressed still-images or live MJPEG streaming video, are provided across a standard 10/100BaseT network interface.

The I/O connector provides an interface to an external alarm sensor or control of peripheral equipment such as IR lighting and PTZ. E-mail or UDP alarm notification provides the date, time, and camera IP address. On-board memory buffers supply still images via FTP that precede and follow alarm events.

Programmable day/night settings automatically switch to enhanced low-light mode. Optional – True day/night module provides automatic sliding IR cut filter. When integrated with NIR illuminators, provides outstanding nighttime performance. DC iris lenses are supported using the industry standard four conductor socket.

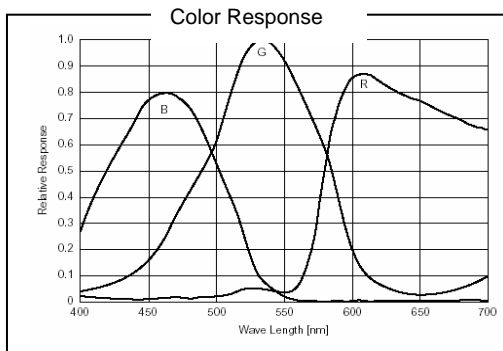
The user defined motion detection parameters across multiple zones provide more accurate triggering of alarms, while programmable privacy zones ensure compatibility with all regulations.

The Le275's compact, all-metal body can be mounted stand-alone or by means of standard environmental enclosures. Call with your enclosure requirements today.

## Product Features

- Easy installation and set-up
- Power over Ethernet (PoE)
- 1200 lines of resolution, color, progressive scan, 2.0 megapixel sensor
- 20 fps at full 1600x1200 (UXGA) resolution - faster frame rates with smaller region of interest
- Feature rich camera functions:
  - o Auto white balance
  - o Auto exposure
  - o DC auto iris
  - o Configurable compression ratio
  - o Multiple motion detection zones
- I/O control of alarms, PTZ, lighting or other peripherals
- Optional true day/night functionality
- Image transfer via HTTP, FTP or RTP
- Camera control via HTTP, XML-RPC, Telnet or Microsoft COM
- Security / password protection
- FCC Class B, CE Certified
- CS lens mount provided standard, C-mount adapter available
- Compatible with most operating systems (Windows Vista and XP, Linux and Mac)
- Full 1 year warranty

Image Sensor	<b>1/2" format, CMOS, color, 7.8mm x 5.9mm array</b>
Effective Pixels	<b>1600 x 1200, 4.2µm square pixels</b>
Frame Rate	<b>Captures 20 fps at 1600x1200</b>
Dynamic Range	<b>55dB</b>
Sensitivity	<b>1 lux at F 1.0</b>
Auto Exposure	<b>Automatic / Manual</b>
White Balance	<b>Automatic / Manual</b>
Dimensions (W x H x D)	<b>1.9" x 2.5" x 5.0" (not including lens)</b>
Mass	<b>&lt;300g</b>
Power Requirement	<b>External 12 – 48 VDC or IEEE 802.3af Power over Ethernet (power mode A or B)</b>
Power Consumption	<b>&lt; 4 Watts</b>
Operating Temperature	<b>-10° C to +50° C (environmental enclosure will provide extended temperatures with fan / heater)</b>
Operating Humidity	<b>5%-95%, Non-condensing</b>
Interface Connector	<b>RJ45 Cat 5e twisted pair cable, 10/100baseT Ethernet, PoE</b>
Lens Mount	<b>Adjustable CS-Mount (lens not included)</b>
Image Buffer	<b>64 MB (up to 230 full resolution JPEG images)</b>

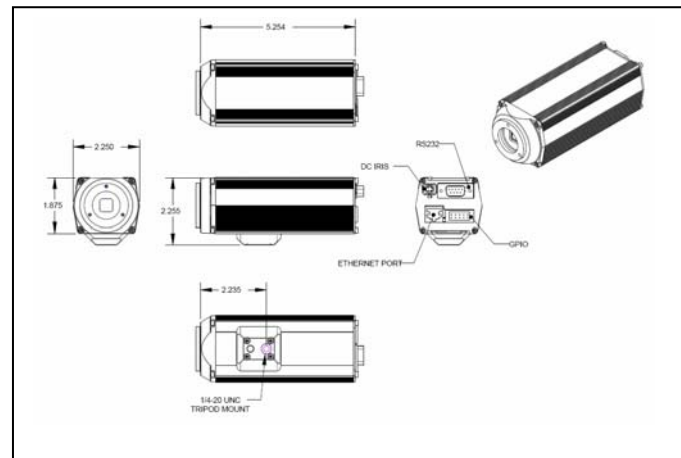


#### Recommended PC Specifications

O/S: Windows XP (SP 3) or Vista  
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, PoE  
Browser: Internet Explorer v8.0



#### Ordering Information

Le275CP	– 2.0 Megapixel PoE Color Camera
Le275CP-DN	– 2.0 Megapixel PoE Color Camera with Day/Night module
Lu8501	– Power Supply w International Plugs, 12 VDC/2A Output