Lumenera corporation

Li175

1.3 Megapixel Intelligent Network Camera

Outline

Improve the effectiveness of your surveillance!

Lumenera's Li175 cameras combine video content analysis with megapixel image quality.

Enabled with ObjectVideo OnBoard™ - Lumenera's intelligent camera series offers real-time video analytics at the camera head. Detailed monitoring of a scene – alerting when suspicious activity is occurring – enables surveillance operators to make more proactive decisions.

Capturing full 1280 x 1024 resolution at 21 frames/sec, these cameras deliver outstanding picture quality and performance. Adjustable MJPEG and H.264 compression are provided across a standard 10/100BaseT network interface. Transfer of images via FTP, RTP or HTTP.

Lumenera has simplified IP camera installation with a straightforward plug-and-play process. Standard camera control is available through an intuitive user interface viewed with most web browsers.

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 Li175's compact, all-metal body fits easily into housings and PTZ systems. Contact us for more details. Full one (1) year warranty.

Product Features

- ❑ **Intelligent camera enabled with ObjectVideo OnBoard video analytics**

- ❑ **1024 lines of resolution, color or monochrome, progressive scan, 1.3 megapixel sensor**

- ❑ **Analog video output for easy installation**

- ❑ **2-way audio**

- ❑ **MJPEG or H.264 compression**

- ❑ **Easy set-up and installation**

- ❑ **Up to 21 fps at full 1280 x 1024 resolution**

- ❑ **Feature rich camera functions:**
  - o **Auto white balance**
  - o **Auto exposure**
  - o **DC auto iris**
  - o **Configurable compression ratio**
  - o **Support for multi data-stream**

- ❑ **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™ 98 SE, Windows Me, Windows 2K, Windows NT and Windows XP, Linux and Mac)**
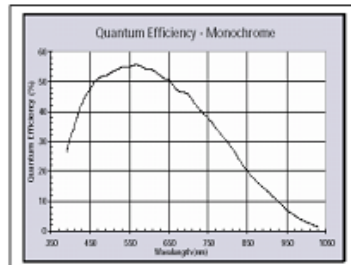
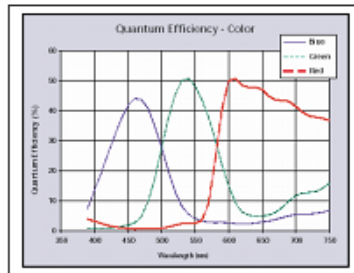|	
Image Sensor	**1/2" format, CMOS, color or mono, 7.7 mm x 6.1 mm array**
Effective Pixels	**1280 x 1024, 5.2 µm square pixels**
Frame Rate	**Captures 21 fps at 1280 x 1024**
Dynamic Range	**55 dB**
Sensitivity	**0.5 lux at F 1.0**
Auto Exposure	**Automatic / Manual**
White Balance	**Automatic / Manual**
Dimensions (W x H x D)	**2.0" x 2.25" x 6.3" (not including lens)**
Mass	**~300g**
Power Requirement	**PoE (802.3af), or external 24VDC or AC**
Power Consumption	**< 6 Watts**
Operating Temperature	**-10°C to +50°C (environmental enclosure will provide extended temperatures with fan / heater)**
Operating Humidity	**5%-95%, Non-condensing**
Interface Connector	**RJ45 Cat 5e twisted pair cable, 10/100baseT Ethernet**
Lens Mount	**Adjustable CS-Mount (lens not included)**
Image Buffer	**28 MB (hundreds of full res images), expandable to 128 MB**
Analog Output	**NTSC composite video, BNC jack, 75 ohm**

Ordering Information

Li175C	– Network Color Camera
Li175M	– Network Monochrome Camera
Li175C-DN	– Network Color Camera with Optional Day/Night Module
Li175C-MM	– 128 MB Extended Memory Option
Li175M-MM	– 128 MB Extended Memory Option
Li175C-DN-MM	– 128 MB Extended Memory Option
Lu8401	– Power Supply w International Plugs, 24VDC/1A Output
OV1, OV2, OV3	- Video Analytics Options

Recommended Applications:
- General purpose surveillance
- Indoor/outdoor surveillance
- Monitoring city centers, college campuses and pubic transportation
- Automated surveillance for timely response and prevention of operator fatigue
- Protection of major public and corporate infrastructure
- Scalable to large deployments using on-camera video content analysis

Quantum Efficiency - Color

Quantum Efficiency - Monochrome

Recommended PC Specifications

O/S: Windows XP (SP 2)
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 v7.0

Mechanical Drawings