



Outline

Improve the effectiveness of your surveillance!

Lumenera's Li045 series of intelligent network cameras are designed for general security applications, providing high quality, progressive scan images in the most difficult lighting situations, such as mixed sun and shadow, and backlit windows.

Enabled with ObjectVideo OnBoard - Lumenera's intelligent camera series are providing real-time video analytics at the camera head. Provides detailed monitoring of the scene – alerting when suspicious activity is occurring – allowing the surveillance operator to make more proactive decisions.

Capturing full D1 (720x480) resolution at 30 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. Intuitive user interface viewed with most web 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 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 Li045's compact, all-metal body fits easily into housings and PTZ systems. Full one (1) year warranty. Contact us for details.

Product Features

- Intelligent camera enabled with ObjectVideo OnBoard video analytics
- Ultra-wide dynamic range sensor 102dB (typical), 120dB (max)
- Analog video output for easy installation
- 2-way audio
- MJPEG or H.264 compression
- Optional true day/night functionality
- Easy set-up and installation
- 480 lines of resolution, color or monochrome, progressive scan, 720x480 pixel sensor
- Up to 30 fps at full 720x480 resolution
- Feature rich camera functions:
 - o Auto white balance & auto exposure
 - o DC auto iris
 - o Configurable compression ratio
 - o Support for multiple data-streams
- I/O control of alarms, DC iris, PTZ, lighting or other peripherals
- 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)

Specifications

Li045

Image Sensor	1/3" format, CMOS, color or monochrome, 5.04mm x 3.78mm array
Effective Pixels	720x480, 7µm square pixels
Frame Rate	Captures 30 fps at 720x480
Dynamic Range	102dB (typical) 120dB (max)
Sensitivity	0.5 lux at F 1.0
Auto Exposure	Automatic / Manual
White Balance	Automatic / Manual
Dimensions (W x H x D)	1.9" x 2.25" x 6.3" (not including lens)
Mass	~300g
Power Requirement	PoE (802.3af), or external 24VDC
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 (thousands of full res images), expandable to 128 MB
Analog Output	NTSC composite video, BNC jack, 75 ohm

Ordering Information

Li045C	- Network Color Camera
Li045M	- Network Monochrome Camera
Li045C-DN	- Network Color Camera with optional Day/Night module
Li045C-MM	- 128 MB Extended Memory Option
Li045M-MM	- 128 MB Extended Memory Option
Li045C-DN-MM	- 128 MB Extended Memory Option
Lu8401	- Power Supply w International Plugs, 24VDC/1A Output
OV1, OV2, OV3	- Video Analytics Options

Recommended PC Specifications

O/S: Windows XP (SP 2)
CPU: 2.8GHz or above Pentium computer (required for full frame rate preview)

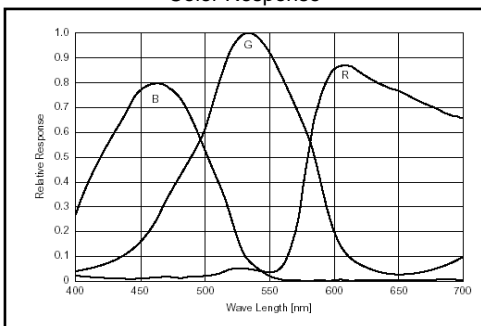
600Mhz or above Pentium compatible computer (for basic functionality)

Network: 100 Mbps Ethernet LAN
Browser: Internet Explorer v7.0

Recommended Applications:

- General Purpose Surveillance
- Indoor/Outdoor surveillance
- Monitoring city centers, college campuses and public transportation
- Military, homeland, perimeter, and border surveillance
- Working in backlit scenes in airports, train and bus stations, commercial establishments, banks, hotels, etc.
- Deployments using wireless bridges
- 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

Color Response



Mechanical Drawings

