

Li165

Intelligent network camera out-
standing light sensitivity



Day/Night

Delivers outstanding megapixel "HD" image clarity and digital zoom even in low-light conditions using a 2/3" HAD CCD image sensor. For night vision, select our Li165C-DN day/night cameras, featuring a filter mechanism designed for deployment with active infrared illuminators. The monochrome Li165M provides maximum sensitivity and resolution.

Moving vehicles

Provides superior capabilities for stop-motion image capture. Even at highway speeds, crisp images are delivered by the high sensitivity CCD sensor with global electronic shutter.

Control bandwidth and storage

The camera provides for both JPEG and H.264. Choose JPEG to provide the best quality images for digital zoom, post-incident analysis, and fast motion. Use H.264 to reduce bandwidth for your wireless deployments and to reduce disk storage requirements.

Compatibility

By maintaining a common Application Programming Interface (API), Lumenera network cameras are supported by your preferred off-the-shelf video management software and custom applications.

Easy to use

- Fully Windows compatible web pages allow you to view or configure cameras at any time & from any location.
- Power over Ethernet (PoE) simplifies installation and reduces cabling costs. You may also choose 24 VDC low-voltage installation.
- No-hassle lens mount – Compatible with C or CS-mount lenses.
- Composite video output – NTSC/PAL format analog video loop out lets a lone installer position the camera and focus the lens using daylight readable displays.

Features

- Video analytics for timely response and reduced operator fatigue
- 1.4 megapixel progressive scan HAD CCD
- Light sensitivity superior to most analog cameras
- Clear, sharp images with low noise
- True day/night "DN" option
- High dynamic range for challenging outdoor lighting conditions
- Configurable compression:
 - o 15 fps JPEG (full size 1376 x 1032 pixels)
 - o 15 fps H.264 (720 x 480)
- Easy installation and setup
- User and Admin passwords
- Compatible with Windows and Linux operating systems
- Consistent Lumenera API

Recommended Applications

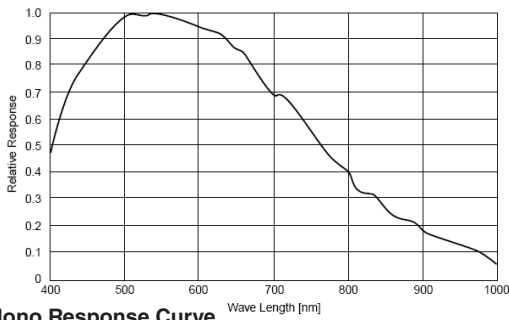
Night & perimeter surveillance

- Military bases and national security sites
- Airports
- Sea ports
- Borders and border crossings
- Prisons
- Refineries
- Power plants, hydroelectric dams

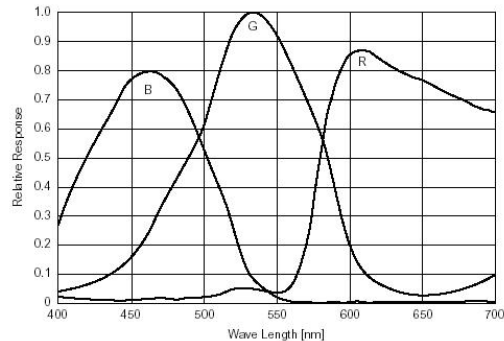
Stop-motion image capture

- License plate recognition (ALPR)
 - o Toll roads
 - o Parking
 - o Law enforcement
- Optical character recognition
 - o Container shipping
 - o Railway freight

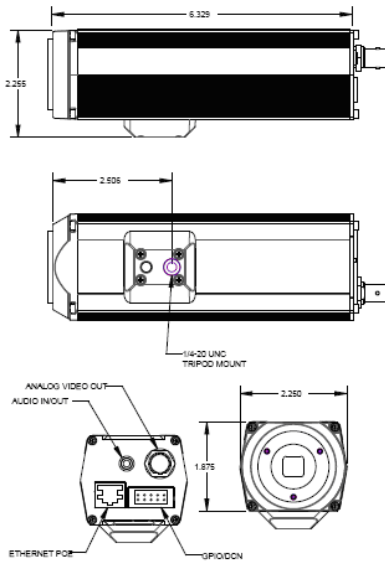




Mono Response Curve



Color Response Curve



Ordering Information

Li165CB	1.4 megapixel color network camera
Li165CB-DN	1.4 megapixel color day/night network camera
Li165MB	1.4 megapixel mono network camera
Li165MB-DN	1.4 megapixel mono day/night network camera
OV1, OV2, OV3	ObjectVideo OnBoard analytics options
Lu8401	24 VDC, 1A power supply with international plugs
Lu901	C-to-CS mount adapter
Le903	Replacement 10-terminal power & I/O connector
Le906B	Replacement tripod mount

Image Sensor	
Type	2/3" HAD CCD, color or monochrome (B/W)
Effective Pixels	1376 x 1032
Active area	8.9 x 6.7 mm
Pixel size	6.45 µm
Minimum illumination	0.01 lux at F/1.0
Dynamic Range	66 dB
Shutter type	Global
Scan mode	Progressive scan
Optics	
Lens mount	CS-mount
Day-Night	"DN" models only, Automatic
Day wavelengths	400 nm to 650 nm
Night wavelengths	400 to 1100 nm
Camera control	
Frame rate - JPEG	15 fps (1376 x 1032 pixels), 27 fps (640 x 480 pixels)
Frame rate - H.264	15 fps (720 x 480 pixels)
Exposure modes	Auto, Manual
Exposure / shutter speed	< 0.1 to 150 ms (< 1/10,000 to 1/7 sec.)
Anti-flicker	Off, 60 Hz, 50 Hz
Gain modes	Auto, Manual
White balance	Auto, Manual
Passwords	1 admin, 1 user
Image buffer	128 MB (up to 900 JPEG images)
Analog video output	NTSC or PAL, factory-set
Power	
Power source	External 24 VDC or PoE (IEEE 802.3af)
Power consumption	6 W max
Mechanical	
Dimensions (excludes lens & connectors)	1.9" x 2.25" x 6.3" (48 mm x 57 mm x 160 mm)
Mass	~ 11 oz. (~ 300 g)
Case material	Aluminum
Mount	1/4-20 tripod mount
Environmental	
Operating temperature	-10 to +50°C
Operating Humidity	5-95%, Non-condensing
Connectors	
Analog video connector	BNC
Audio connector	Single 3.5 mm stereo jack, 1 input and 1 output
Power and I/O connector	10 locking terminals, accepts 18 to 28 AWG wire
Inputs	1 opto-isolated
Outputs	1 opto-isolated
Serial port	RS-232 (1 Rx & 1 Tx terminal)
Network interface	10/100 BASE TX Fast Ethernet
Interface connector	RJ45 Cat 5e twisted pair cable
Software & Networking	
Compatible software	Multiple third-party/open-platform VMS providers
Supported protocols	HTTP, TCP/IP, RTP/RTSP, FTP (client only), DHCP, DNS, ARP, Zeroconf (Bonjour), ICMP (ping), NTP
Approvals	
FCC compliance	Class B
CE compliance	EN55024, EN55022, EN61000-3-2, EN61000-3-3
Hazardous materials	RoHS compliant/ WEEE Compliant
Power supply	UL, FCC, CE
Recommended PC Specifications	
O/S	Windows 7, Windows Vista, Windows XP
CPU	2.8GHz or above Pentium/Core 2
Browser	Internet Explorer v8.0

