

Evolution™ LC Megapixel Firewire Camera Kit

The Digital Alternative to Analog Video Microscopy

Overview

Evolution LC Digital Kits provide a cost-effective solution for image capture, enhancement, and reporting. These cameras offer high-resolution megapixel capability with the convenience of FireWire (IEEE 1394) to capture low latency video streams and digital still images at four times the resolution of video cameras.

Evolution LC Description

The Evolution LC monochrome and color cameras use the FireWire (IEEE 1394) digital bus protocol to streamline the capture, digitization and processing of megapixel color video streams. These cameras are designed to simplify real-time uncompressed video streaming and digital still image acquisition while maintaining uncompromising video and digital still-image quality. One FireWire cable can manage power distribution, PC-based control and real-time video streaming capabilities of the attached camera.

Evolution LC Features

- All-in-one megapixel FireWire C-mount cameras
- Stream uncompressed video or capture still images
- FireWire digital interface simplifies installation and eliminates the need for framegrabbers
- Flexible and full-featured CMOS image sensor with high resolution 1.3 megapixel array (1280 × 1024 pixels)
- Up to 14 fps at 1280 × 1024 resolution, 30 fps at 640 × 480



Evolution LC Features (cont.)

- FireWire cable carries video data, camera commands and power— no additional cables required.
- Image-Pro® driver controls for:
 - Gamma correction, signal gain, exposure time
 - Imager subwindow size and position
 - Image flip and mirror
 - Choice of 8-bit or 10-bit data and data range

FROM IMAGES TO ANSWERS®

Evolution LC Camera Specifications

Resolution	1280 x 1024
CCD Type	Kodak KAC-1310 CMOS
Pixel Size	6.0 µm × 6.0 µm
Full Well Capacity	40,000 e-
Dark Current	6250 e-/pixel/sec
Optical Interface	c-mount
Image Color Depth	8 or 10-bit
Frame Rate	Up to 14 fps at 1280 × 1024 resolution, 30 fps at 640 × 480
Interface	IEEE 1394 FireWire
Operating System	Windows® 2000 & XP

Works Seamlessly with Image-Pro Software

The Evolution MP kit comes with an Image-Pro family driver that requires one of the following Image-Pro family applications:



Image-Pro® Express
Perfect for basic imaging, Image-Pro Express offers numerous capture and enhancement options. Includes an easy upgrade path to Image-Pro Discovery or Image-Pro Plus.



Image-Pro® Discovery
More advanced than Image-Pro Express, Image-Pro Discovery includes added measurement and analysis capabilities. Includes an easy upgrade path to Image-Pro Plus.



Image-Pro® Plus
The ultimate imaging software package. Image-Pro Plus includes all of the functionality of Image-Pro Discovery along with added analysis tools and the ability to write customized macros.

Experience a Fully Integrated Solution

Don't risk valuable time and money by attempting to use poorly integrated software and hardware components. Evolution LC Digital Kits provide guaranteed compatibility from one source, at a price that is easy on your budget.

Our Worldwide Dealer Network is There to Assist You. For a Dealer In Your Area, Contact us Today!

Evolution™ LC
DIGITAL KIT
An Integrated Solution



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