

Evolution™ MP **DIGITAL KIT**



Evolution™ MP 5.1 / MP 3.3 Mega-pixel FireWire™ Digital CCD Color Camera Kit

The Ultra High Resolution Digital Camera Kit

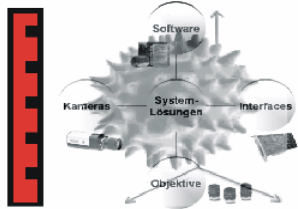
Overview

Evolution MP cameras include the convenience of a FireWire (IEEE 1394) digital interface and are available in an optional thermoelectric cooling at ten degrees below ambient.

Evolution MP Features

- ▶ 5.1 mega-pixel CCD sensor produces a high resolution picture that reduces the chance of image artifacts or lost information
- ▶ Full color binning up to 4x4 for rapid preview and focus. New RTV-Preview with 25 Images per Second.
- ▶ Region of Interest function allows for selection of specific region in an image
- ▶ Flexible exposure control from 1.6 milliseconds to 18 minutes in 1 microsecond increments
- ▶ Peltier cooling option on cooled model minimizes thermal noise during low light imaging
- ▶ 36-bit color images with 1024 intensity levels per color Evolution MP Features
- ▶ FireWire digital interface simplifies installation and eliminates the need for framegrabber cards
- ▶ FireWire cable carries video data, camera commands and power — no additional cables required
- ▶ Image-Pro® driver controls for:
 - Signal gain and exposure time, dynamic Exposure and dynamic Contrast
 - Imager subwindow size and position





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 MP Digital Kits provide guaranteed compatibility from one source, at a price that is easy on your budget.

Evolution MP Camera Specifications	
Imaging Chip	
Type	2/3" Sony ICX-282 2 to 1 interlaced CCD color
Resolution	2588 x 1960, 5.1 million pixel sensor resolution
Pixel Size	3.4µm x 3.4µm
Readout Noise	9.8 electrons
Maximum Frame Rate	3-5 fps at 2560 x 1920 (36-bit)
Shutter	Electronic shutter, no moving parts
Cooling Type	Optional Peltier thermoelectric cooling to 10°C below ambient
Electrical	
Voltage	12 volts
Power	330 milliamps; 580 milliamps for cooled model
Physical	
Weight	710g
Lens mount	C-mount, 2/3" optical format for microscope or camera lens, plus a 1/4"-20 tripod mount
Interface	
Operating System	Windows® 98 SE, ME, 2000, XP
Data Format	10-bit
Interface Type	IEEE 1394 FireWire
Maximum Data Rate	20 MHz at 8-bit and 10 MHz at 10-bit

Technische Änderungen vorbehalten.

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