

Sciencescope

Your visual Inspection
Specialists



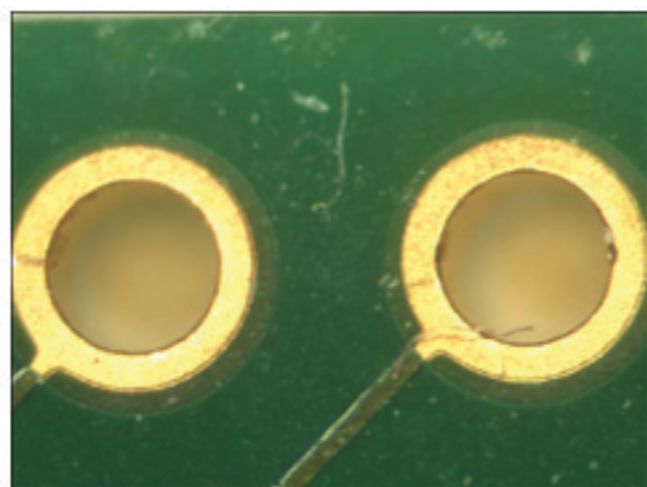
Infinity 1 Camera

1.3 Megapixel CMOS USB 2.0 Camera

High Resolution CMOS Color or Monochrome
Microscopy Camera for Qualitative Image Archiving

Outline

Sciencescope's Infinity 1-1 Camera is perfect for all industrial, electronic, or scientific applications that require high resolution image capture. It comes with easy to use software and a USB 2.0 cable to connect to your workstation quickly and easily.



Live video preview provides for real-time focus, while auto exposure and auto white balance efficiently capture your optimal image. An intuitive user application provides camera controls, while full integration to popular third-party imaging applications is available through our TWAIN drivers.

The USB 2.0 digital interface ensures a simple plug and play installation – and one standard cable minimizes camera clutter. No framegrabber required.

INFINITY1-1 is supported by an experienced team of technical support and imaging experts. We understand your imaging needs and are here to help you get the most out of your camera.

Performance Features

- ❑ The high-speed USB 2.0 interface eliminates a framegrabber and facilitates ease of installation on both laptop and desktop computers
- ❑ The low noise characteristic of the INFINITY1-1 progressive scan 1.3 megapixel image sensor results in crisp color quality for the most demanding brightfield and darkfield microscopy applications including clinical pathology and cytology, life science and geology
- ❑ Full color sub-windowing allows for rapid, focus and scanning of samples: 15 fps at full 1280x1024 resolution and 60 fps at 640x480 resolution
- ❑ Select 8 & 10-bit pixel data modes
- ❑ The RGB data captured through each pixel contains 30-bits of color image information resulting in 1024 intensity values
- ❑ Camera control through an intuitive user TWAIN interface results in rapid image capture archiving and documentation for high throughput applications, demanding research environments and teaching facilities
- ❑ The INFINITY1-1 has a compact design equipped with a C-Mount, facilitating installation on all microscope configurations including upright, inverted and stereo
- ❑ INFINITY1-1 cameras are software compatible with Windows™ 98 SE, Windows ME, Windows 2K and Windows XP operating systems

Specifications

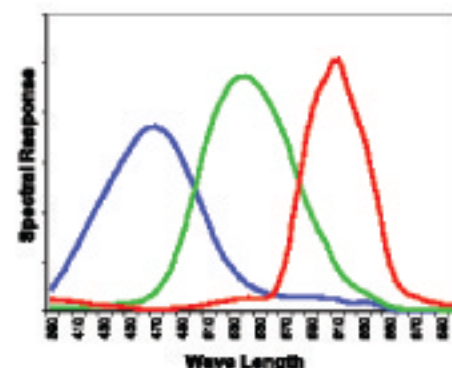
INFINITY1-1

Camera Sensor

Image Sensor	1/2" CMOS format, color or monochrome, 6.5mmx5.3mm array
Effective Pixels	1280x1024, 5.2um square pixels
Frame Rate	15 fps at 1280x1024, 60 fps at 640x480
Dynamic Range	>60dB
Digital Output	8 and 10-bit uncompressed
Read Noise	20 e- rms

Camera Controls

Mass	300g
Power Requirement	USB bus power, or external 5VDC - 500mA
Power Consumption	~2.5Watts
Operating Temperature	0° C to +50° C
Operating Humidity	5%-95%, Non-condensing
Integration Time	1/1000 to 3 sec.
Shutter	Rolling shutter with single frame capture
ROI	User Selectable
Auto Exposure	Automatic / Manual
White Balance	Automatic / Manual
Gain	Programmable / 1 to 10X optimizable
Interface Connector	USB 2.0 high-speed interface
Dimensions (L x W x H)	3.85 x 2.00 x 2.75 inches
Lens Mount	C-Mount lens adapter



Recommended PC Specs:

- Pentium 4, 1.3GHz or higher
- 512Mb RAM
- 60 GB hard drive free space or more
- USB 2.0 Port
- Windows 2000 or XP

Minimum PC Specs:

- 600MHz Processor
- 256Mbytes of SDRAM
- 20GB hard drive free space
- USB 2.0 Port
- Windows 98 or ME

Product Includes:

- INFINITY1-1 digital camera for USB 2.0
- CD-ROM with INFINITY user application software
- TWAIN driver
- Documentation
- USB 2.0 cable

