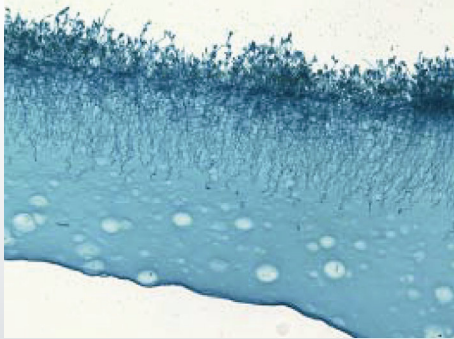


# AU-500-CMOS DIGITAL MICROSCOPY CAMERA

The 5.0 megapixel CMOS digital camera is designed to be a cost-effective, versatile solution for documentation and archiving of clinical, life science, material science images where higher resolution is routinely required.

With 2592x1944 resolution and on-board processing, the AU-500-CMOS delivers outstanding image quality for a wide variety of scientific applications.



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.

Every INFINITY AU camera includes **INFINITY ANALYZE** software for advanced camera control, image processing, measuring and annotation, and 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

- High-speed USB 2.0 interface eliminates a framegrabber and facilitates ease of installation on both laptop and desktop computers
- Low noise characteristic of progressive scan 5.0 megapixel image sensor results in crisp color quality for the most demanding bright-field 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: 7 fps at full 2592x1944 resolution and 60 fps at 640x480 resolution
- Includes INFINITY ANALYZE software for advanced camera control, image processing, measuring and annotation included, as well as INFINITY CAPTURE software for camera control and image capture
- Select 8 & 10-bit pixel data modes
- RGB data captured through each pixel contains 36-bits of color image information resulting in 4096 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 AU-500-CMOS has a compact design equipped with a C-Mount, facilitating installation on all microscope configurations including upright, inverted and stereo
- AU-500-CMOS cameras are software compatible with Windows 2K, Windows XP, and Windows Vista operating systems



# Specifications — AU-310-CMOS

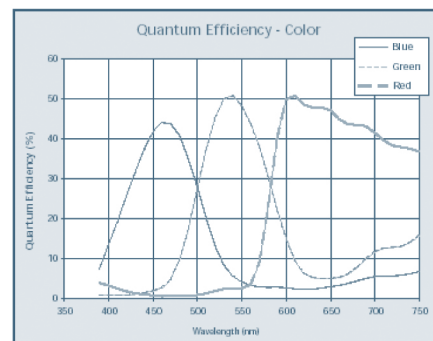
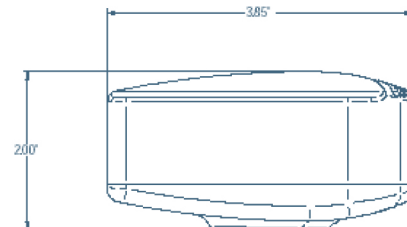
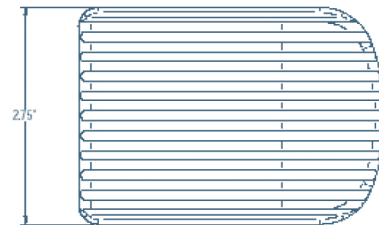
## Camera Sensor

Image Sensor	1/2.5" CMOS format, color or monochrome, 5.7mm x 4.28mm array
Effective Pixels	2592x1944, 2.2µm square pixels
Frame Rate	7 fps at 2592 x 1944, 60 fps at 640x480
Dynamic Range	>60dB
Digital Output	8 and 12-bit uncompressed
Read Out Frequency	28 MHZ

## 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	Standard 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

*Design, features and specifications are subject to change without notice.*



### Recommended PC Specs:

- Pentium 4, 1.3 GHz or higher
- 512MB RAM
- 60 MB hard drive free space or more
- USB 2.0 Port
- Windows 2000, XP, Vista, or 7

### Minimum PC Specs:

- 600 MHz Processor
- 256 MB of SDRAM
- 20 MB hard drive free space
- USB 2.0 Port
- Windows 2000, XP

### Product Includes:

- AU-500-CMOS INFINITY digital camera for USB 2.0
- CD-ROM with INFINITY user application software
- TWAIN driver
- Documentation
- USB 2.0 cable



## Mac Plug-In Available

- A Mac Plug-In for all ACCU-SCOPE/UNITRON cameras is now available
- Compatible with Mac OS 10.4 (requires Quick Time V7)
- Contact ACCU-SCOPE/UNITRON to download the latest version

### ISO 9001 Certification

Design and production adheres to ISO9001 international quality standard.

### ISO 14001 Certification

Design and production meets the requirements of international standard ISO 14001 for environmental management.



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