

## Specifications for CFM-USB-4 Camera

Model CFM-USB-4 is a digital camera professionally designed for using with various microscopes. The images of the observed specimen or samples can be genuinely displayed on the computer screen. With the powerful software, it is extremely convenient to do the basic and advanced image processing and measurement to the images captured from a magnifier. The simple operation ensures you doing all these processing works at great ease

Properties	Specifications
<b>Image sensor</b>	Sensor active area: 1/2" Color, pixel size: 5.2 x 5.2 μm
<b>MAX resolution (still)</b>	1280 x 1024
<b>MAX resolution (motion)</b>	1280 x 1024, 15 to 30 fps
<b>View field</b>	Inscribed rectangle of φ18 mm
<b>Usage</b>	Mounted onto the eyepiece tube or photo port via an adaptor-ring
<b>Sensitivity</b>	1.8V/lux.sec@green
<b>File format</b>	BMP, TIFF, JPG, PICT, PTL etc.
<b>Exposure</b>	Automatic
<b>Shutter control</b>	Automatic
<b>Interface</b>	USB 2.0
<b>System requirement</b>	Win 98/NT/2000/Me/XP; USB cable
<b>Software</b>	USB 1.1 drive, compatible 2.0; VFW interface, Twain drive, photo shop plug-in; DIAS1.0 or DIAS2.0 can be used to capture, browse & analyze the images
<b>Weight</b>	4.8 oz
<b>Camera size</b>	Cylinder shape, φ52 mm
<b>Camera body</b>	Blackened metal body of cylinder shape

### Features:

- 1) CFM-USB-4 employs newly designed optical system of fully coated, based on MTF (modulation Transfer Function) analysis, for improved image flatness and contrast. The images are brighter and distinct even at the periphery of the field of view. Especially, this system matches the specific characters of magnifier.
- 2) CFM-USB-4 has an optical lenses mounted on the plastic holder in the body. The lenses can be adjusted for getting CFM-USB-4 match magnifier's field of view exactly.
- 3) The usage is very simple and easy: Removing the rubber eye-cap and its plastic holder, and screwing the adaptor-ring onto the eyepiece, then inserting CFM-USB-4 into the adaptor-ring.
- 4) Based on the consideration of the color temperature of the illumination, the design makes it offer very good color fidelity. The captured image is available with true color.

### Software:

- 1) Manual
- 2) Setup guidance
- 3) Driver
- 4) DIAS2.0 is an advanced image processing software professionally designed for microscopes



**33 Nagog Park, Acton, MA 01720, USA**  
**[www.angstec.com](http://www.angstec.com); [Info@angstec.com](mailto:Info@angstec.com)**  
 Ph: +1 (978) 204-2317; Fax: +1 (978) 263-6675