

Specifications for CFM-USB-1 Camera

Model CFM-USB-1 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
Image sensor	350K, 1/3" CMOS, color, pixel size 6x6 μ m
MAX resolution (still)	640X480
MAX resolution (motion)	640x480, 15 fps; 320X240, 30 fps
View field	Inscribed rectangle of ϕ 8 mm
Usage	Mounted onto the eyepiece tube or photo port via an adaptor-ring
Sensitivity	2.7v/lux.sec@green 2.1v/lux.sec@red 2.0v/lux.sec@blue
File format	BMP, TIFF, JPG, PICT, PTL etc.
Exposure	Automatic
Shutter control	Automatic
Interface	USB connection with 1.5m cable provided
System requirement	Win 98/NT/2000/Me/XP; USB cable
Software	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
Weight	4.0 oz
Camera size	Cylinder shape, ϕ 32x 84 mm
Camera body	Blackened miniature body with Eyepiece shape

Features:

- 1) CFM-USB-1 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.
- 2) CFM-USB-1 accepts an optional macro lens for use as a regular mini video camera
- 3) The use of camera 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-1 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



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