

Specifications for CFM-USB-3 Camera

Model CFM-USB-3 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, pixel size 8 x 8 μ m, color
MAX resolution (still)	640X480
MAX resolution (motion)	30 fps @ 640x480 resolution
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 2m cable provided
System requirement	Win 98/NT/2000/Me/XP; USB cable
Software	USB 2.0 drive, compatible 1.1; VFW interface, Twain drive, photo shop plug-in; DIAS1.0 or DAIS2.0 can be used to capture, browse & analyze the images.
Weight	4.8 oz
Camera size	Cylinder shape, ϕ 50 mm
Camera body	Blackened metal body of cylinder shape

Features:

- 1) CFM-USB-3 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-3 has an optical lenses mounted on the plastic holder in the body. The lenses can be adjusted for getting CFM-USB-3 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-3 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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