



Digital Camera for Microscope

OPTIKAM 2

What is a digital microscope?

It is a microscope adapted for a digital camera especially designed for microscopes. Model OPTIKAM 2 is an excellent solution.



Model OPTIKAM 2
is a digital camera professionally designed for microscope.

It works perfectly with all kinds of optical microscopes, such as biological microscope, metallurgical microscope and stereomicroscope.

The images of the observed specimen or samples can be genuinely displayed on the computer screen. The IMAGE TOOL 3.1 software included with the camera, ensures simple and convenient operations on the images captured by a microscope.

Features:

1) OPTIKAM 2 employs newly designed optical system of fully coated, based on MTF (modulation Transfer Function) analysis, in order to improve image flatness and contrast. The images are brighter and distinct even at the edges of the field of view. It offers excellent performance when combined with a plan-achromatic objectives system. This system is especially designed for microscope and matches the specific features of microscope, such as the field of view of eyepiece WF10X-18mm and the parfocalization of objectives.

2) OPTIKAM 2 has a wide field, which matches the 18mm microscope's field of view.

3) For any observation head from microscope, i.e. monocular head, binocular head or trinocular head, **OPTIKAM 2** can be put directly into the ocular-tube or the photo-tube. With the included adaptor Ø 30mm or the adaptor Ø 30.5mm, it is also workable on a stereomicroscope. The operation is so simple that it can perfectly work with all kinds of microscopes.

4) If the microscope adapted for **OPTIKAM 2** is strongly earthed, the metal body of **OPTIKAM 2** ensures wonderful anti-interference.

5) Based on the consideration of the color's temperature of microscope's illumination, the design makes it offering very good color fidelity. The captured image is available with true color.

Properties	OPTIKAM 2
Image sensor	1/3" CMOS of 350K pixels, offering color image
MAX Resolution (Still)	640X480, pixel size 8µm X 8µm
MAX resolution (motion)	15 frames/sec at 640x480; 30 frames/sec at 320X240;
View field	Inscribed rectangle of Ø 18 mm
Usage	Ocular-tube or photo-tube on microscope
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, hot plug and thrust, a USB cable of length 1.5m
System requirement	Windows 2000 / Windows XP; USB cable
Software	Optika IMAGE TOOLS 3.1
Weight	4.8 oz without eyepiece adapter
Camera size	Cylinder shape, Ø 50 mm
Camera body	Blackened metal body of cylinder shape.

Note: 1) All detailed functions should refer to the IMAGE TOOL 3.1 software, OPTIKA has the rights to change the function without notifications.