



Microscope USB2.0 camera, 5.1MP

Code HGB004

Zuzi offers these high resolution video cameras that will turn any traditional microscope into an image digital system, and that are ideal for microscopic applications that require high quality images in the field of medicine, biology, geology, research or education.



Main features

- Easy-to-use since they are equipped with a unique wire for power supply, data transfer and camera control.
- With USB 2.0 output for connection to a PC and supplied with a complete software for image capture, modification and analysis.
- High image quality due to sensitivity sensor CMOS and great capacity to reproduce colors by the system "Ultra-Fine™ color engine"
- Built-in reduction lens to get the largest field of view possible
- They can be used on any standard eyepieces of microscopes or stereomicroscopes by the adapter 0.5x of 23 mm diameter and the accessories of 30 and 30.5 mm.
- Direct connection of camera to C mount triocular (without adapter 0.5x).

Software of visualization and image analysis. The image analysis software allow:

- Real-time image display and the capture of pictures or videos
- Image storage in several formats (jpg, png, tiff, bmp, gif, psd, etc.)
- Measures on length, angles, spheres or other structures of interest, insertion of text or image scale
- Creation of layers to analyse the image without damaging the original
- Generate Word reports or export analysis results on Html, Excel and CSV format.
- Optimization of color, brightness or contrast parameters

Code	HGB004
Sensor	1/2.5"CMOS
Pixel size	2.2x2.2 mm
Sensibility (v/lux-s a 550 nm)	0.53
Max. resolution	2592x1944, 5 Mpixel
Speed at max resolution	5 FPS
Dynamic range	66.5 dB
Exposure	0.294~2000 ms
Output	USB 2.0, 480 Mb/s; length of wire 2.5 m
Power	Supplied by the computer through USB interface
White balance	Automatic or Manual
Color technique	Ultra-Fine™ Color Engine
Capture/Control API	Native C/C++, C#/VB.NET, DirectShow, Twain, Labview
Recording system	Fix image and video
Wavelength	380-650 nm (with IR-cut filter)
Auto exposure	Automatic/Manual
Eyepiece diameter	23 mm (adapters of 30 and 30.5 included)
Working temperature	-10 °C to 50 °C
Dimensions	Cylindrical-shaped metal body, 50 mm diameter