



HDMI camera for microscope

Code HGB008

This camera can be used directly to capture images and videos with microscopes without the need for a computer and can also be networked to an interactive teaching system with microscopes, which is very practical for teachers and students. It also has applications in industrial inspection, research, materials development, precision measurements, medical analysis, etc.

Main features

- C-mount CMOS camera with high-sensitivity Sony sensor
- With HDMI and WiFi outputs
- Built-in XCamView software, which controls the HDMI output via a mouse connected to the USB port
- WiFi output can be activated with the wireless network USB adapter
- The camera can be connected to a computer/router via an Ethernet cable using a USB Ethernet adapter
- Images and videos can be saved to an SD card inserted into the camera
- Can be used on different platforms (Windows/Linux/OSX/Android)



Specifications

Code	Sensor and size	Pixel size (μm)	G-light sensitivity Dark signal	FPS/Resolution	Exposure
HGB008	1080P/2M/Sony IMX185(C) 1/1,9"(7,20x4,05)	3,75x3,75	1120mv with 1/30s 0.15mv with 1/30s	30/1920x1080 (HDMI) 25/1920x1080 (RED)	0,06 ms-918 ms



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Four ways to use the camera

1



The camera operates autonomously, without the need for a computer, using the built-in XCamView software, connecting it to a monitor via the HDMI cable and connecting a mouse to the camera's USB port.



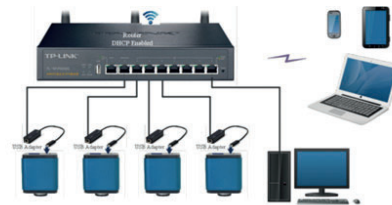
The camera operates in WiFi mode (AP mode) using a wireless network USB adapter, allowing you to connect laptops or mobile devices.

2

3



The camera connects to a computer using a USB Ethernet adapter.



For network applications, multiple cameras can be connected to the router using USB Ethernet adapters.

4

Items included

- High-speed HDMI cable
- USB mouse
- Wireless network USB adapter (WiFi)
- 32GB SD card
- 1GB USB memory stick with software
- Graduated slide (0.01 mm division)
- AC/DC adapter, 12VDC output

Note: This camera is designed for use with trinocular microscopes. If the third tube of the microscope is 23 mm, we recommend purchasing the 0.5X C-mount-23 mm adapter (reference HGG001) for attachment.

