

# BioVID HD 1080+ Camera

The BioVID HD 1080+ microscope camera does it all! Connect the camera to any trinocular microscope via C-mount threading, and plug the HDMI cable into any large screen HDTV for amazing resolution and fast-action video (60fps). Use the included USB cable and advanced imaging software to save and edit images and videos on your computer. Or save images and videos to the included SD card for portability and future use. The BioVID HD 1080+ has 1920x1080 resolution, increased sensitivity, low-noise, and great color rendition – creating stunning, high-resolution images with smooth live-image display. Whether in a large lecture hall, a classroom, the laboratory, or the clinic, the BioVID HD 1080+ will ensure clients and students see microscope images clearly.

## RESOLUTION

1920x1080

## IMAGE SENSOR

1 / 2.8" (5.5x3.4mm) Sony IMX236(C)  
CMOS color  
Pixel size: 2.8um x 2.8um  
Auto-Exposure: 0.1ms-999ms

## VIDEO OUTPUT

### HDMI:

User Interface: USB Mouse (included)  
Image/Video Capture: SD Card  
Video: 60 frames per second @ 1920x1080 (HDMI)  
On screen-Camera Control Panel and Toolbar

### USB

Includes software for capturing, rotating, measuring, etc.  
Image/Video capture into PC  
Image capture into MAC  
Video: 30 frames per second @ 1920x1080 (USB)  
White Balance and Standard Color Controls

## POWER

cUL / CE approved power adapter  
AC Input: 100-240Vac 50/60Hz, 0.31A  
(Auto-switching power adapter)  
DC Output: 12V, 1.0 amp

## OPERATING CONDITION

Temperature: -10°C ~ 50°C (14°F to 122°F)  
Humidity: 30-80%RH

## REQUIREMENTS

Operating System: Microsoft Windows XP, Vista, 7, 8, 8.1 (32 & 64 bit), Mac OSX, Linux  
CPU: Intel Core2 2.5 or higher  
Memory: > 4GB  
USB2.0 High-speed port  
Display: > 19"  
CD-ROM



## BioVID HD 1080+ Camera

Model #	Description
BVC-1080-CMT3	BioVID Camera, 2mp, 1080p HDMI, SD card, USB to PC, C-mount

## CONNECTIONS & CONTROLS

USB Port: USB computer cable or USB mouse  
HDMI Port: HDMI cable to TV  
DC 12v Jack: 12v DC power in  
SD Slot: for included SD card  
ON/OFF: power button  
LED Light: Red=off; Blue=on  
SD card slot

## WEIGHT AND DIMS

Height: 3.6" (92mm)  
Length: 2.8" (70mm)  
Width: 3.1" (78mm)  
Weight: 1.03lbs. (0.47kg)

## OPTIONAL ACCESSORY

Eyeteube Adapter: MVP-ADAO-ETCM



  
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# BioVID HD 1080+ Camera

The BioVID HD 1080+ camera is ideal for a wide variety of applications:

- Research, teaching, and demonstration
- Pathology, cytology, oncology, hematology, optometry, in vitro fertilization,
- Dental applications
- Industrial & manufacturing

Extra large pixel size and the Sony IMX236(C) CMOS chip ensure crisp images in bright field (even at high magnifications), while providing the sensitivity needed to view and capture precise images in low-light applications, such as dark field, phase contrast, and epi-fluorescence. "Side-by-Side" viewing feature allows the image comparison perfect for use in forensics or educational settings.

Choose from HDMI and/or USB outputs or save images and videos to the included SD card.



Simultaneous HDMI and USB output feature allows you to project large images/videos on the TV screen while having the option to manipulate, save, and email the same images from your computer.



When using HDMI output only, an ONSCREEN camera control panel and tool bar allow you to access the following features with a few clicks of the included USB mouse:

- Color adjustment, exposure, white balance
- Sharpness and denoising
- Zoom and freeze, Mirror and comparison
- "Side-by-Side" viewing

For USB output, advanced image software allows:

- 2D measurement
- HDR (High Dynamic Range) for more accurate representations of color and light
- Image stitching
- EDF (Extended Depth of Focus)
- Image segmentation and count, image stacking
- Color composite
- Sharpness and denoising

  
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