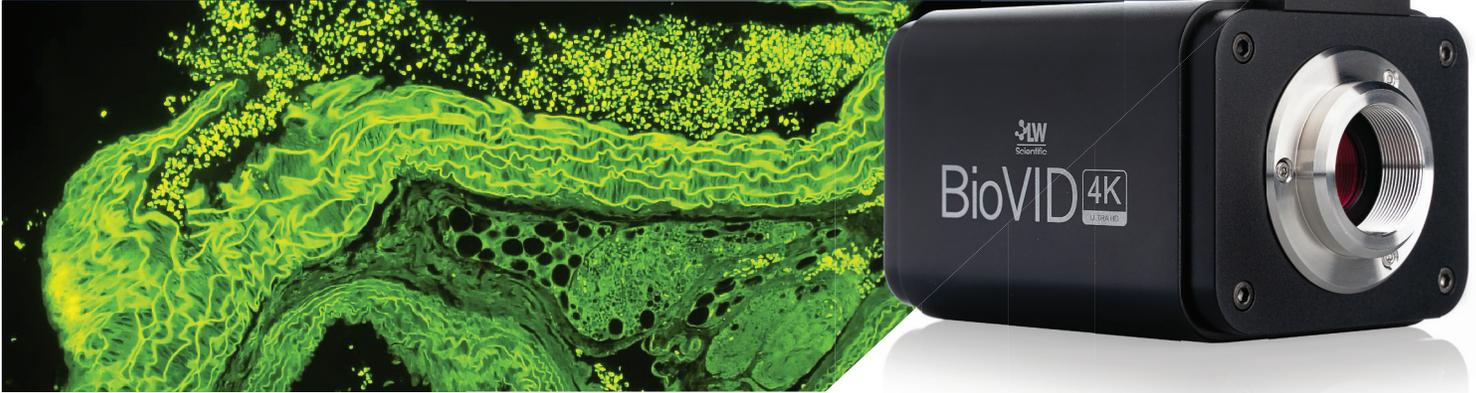


BioVID 4K

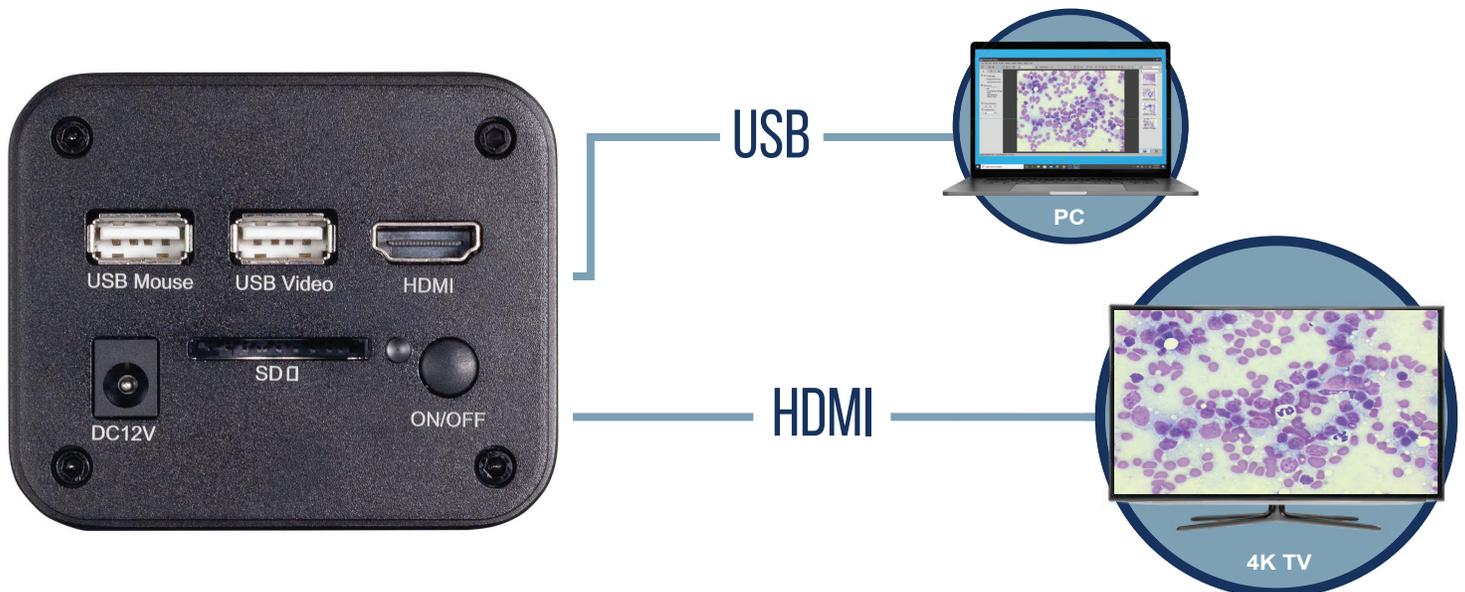
8MP Ultra HD Microscope Camera



The BioVID 4K Ultra HD camera from LW Scientific provides stunning resolution and color for client education and live presentations. Mount the camera to any trinocular C-mount, and you will have access to high-quality, 8 megapixel imaging and 4K video on your monitor or television screen. Save images and videos to the camera's SD card, or connect the camera to your computer via USB. The BioVID 4K also has an HDMI port for connection to any large HDTV or projector. With a resolution of 3840 x 2160, the BioVID 4K camera will display 4K quality onto any 4K compatible screen. This camera comes equipped with an extremely sensitive Sony IMX334(C) sensor chip to help it maintain 4K resolution and a fast frame rate in low-light and high magnification settings. No matter where you are, the BioVID 4K will ensure a crisp, clear image from the lecture hall to the laboratory.

Features

- 4K video resolution across all compatible display platforms
- 8 megapixel imaging
- Multiple connection options via USB and HDMI
- Includes HDMI cable, USB cable, USB mouse, and an 8GB SD card
- Software for PC and Mac computers
- Choose from **HDMI** and/or **USB** outputs or save images and videos to the included **SD card**



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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
- Zoom and freeze, mirror and comparison
- “Side-by-Side” viewing

For USB output, advanced image software allows these features:

- 2D measurement
- HDR (High Dynamic Range) for more accurate representations of color and light
- Image segmentation and count, image stacking

Camera Specifications

- Resolution:** 4K - 8 MegaPixels (3840 × 2160)
Image Sensor: Sony IMX334C
CMOS color 1/1.8" (7.68 × 4.32mm)
Pixel size: 2.0um × 2.0um
Auto-Exposure: 0.1ms-2000ms
Power: cUL / CE approved power adapter
AC Input: 100-240Vac 50/60Hz, 0.31A
(Auto-switching power adapter)
DC Output: 12V, 2A Adaptor

Connections & Controls:

- USB Port: USB cable
USB Mouse Port
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

Requirements:

- Operating System: Microsoft Windows XP, Vista, 7, 8, 10 (32 & 64 bit), Mac OSX, Linux
CPU: Intel Core2 2.8GHz or higher
Memory: > 4GB
USB High-speed port

Weight and Dimensions:

- Height: 3.9" (98.3mm)
Length: 2.6" (65mm)
Width: 3.1" (78mm)
Weight: 1.03lbs. (0.47kg)



Video Output:

- HDMI:** User interface: USB mouse (included)
Image/Video Capture: SD card
Video: 30 frames per second
@ 3840 × 2160 (HDMI)
On screen-camera control panel and tool bar
- USB:** Includes software for capturing, rotating, measuring, etc.
Image/video capture into PC
Image capture into Mac
Video: 20 frames per second
@ 3840 × 2160 (USB)
White balance and standard color controls

Included Accessories:

- HDMI cable
8G SD card
Power adapter
USB mouse with 1.3m cable
USB220-ATA | USB2.0 A cable - 2 meter
CD with camera driver and software

Optional Accessory:

- Eyeteube adapter (MVP-ADAO-ETMC)
(For use with trinocular microscopes without a c-mount)
1080p Monitor (BVP-SCRN-I163)
(This monitor will not display the full 4K resolution from the camera)

Model #	Description
BVC-4K16-CMT3	4K / 8 megapixel ultra HD microscope camera

