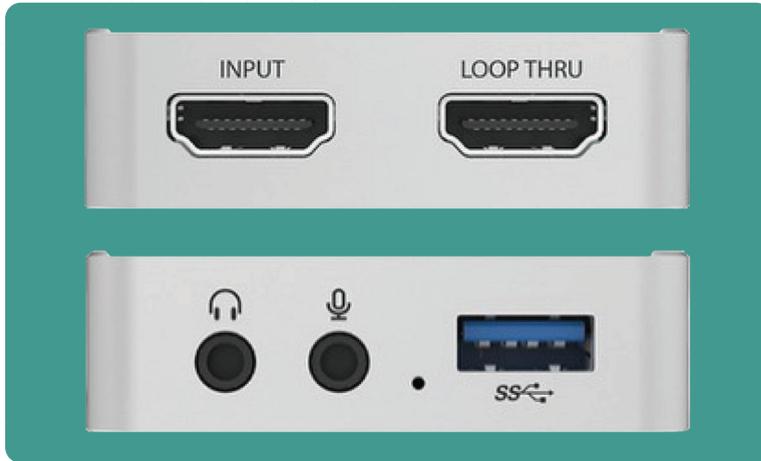




The Magewell USB/CAP Plus device provides the following connections:

- Standard HDMI connection accepting HD 2K or Ultra HD 4K video stream input
- Standard HDMI connection for Loop-Thru of HD 2K or Ultra HD 4K video stream output
- USB 3.0 connector and cable for connection to your computer (Windows, Mac, Linux, Chrome OS – dependent upon software selection)
- 3.5mm jack for (optional) microphone
- 3.5mm jack for (optional) headphones



Please Note:

The Magewell capture device must be connected to your computer using the blue USB3 cable which is provided. Look for a USB3 “fast” connection on your computer – This may be indicated by the letters “SS” next to the connection, or the printing at the connection may be in blue (consult your computer manual for additional information and information about troubleshooting USB connection issues). The Magewell Device is compatible with USB2 computer ports, however the USB3 port is highly preferred to ensure smooth live video.

The blue USB 3 cable is quite short, so the Magewell device must be placed in proximity to your computer. An HDMI cable needs to be run from your microscope camera to the location of the Magewell device. If a video monitor is placed in the operator, a second HDMI cable would be connected to the Loop Thru connector of the Magewell and run out to the monitor’s location.

Notes concerning HDMI cables:

- Use only high-quality HDMI cables – 4K HDMI cables are recommended for all installations. These may also be called “Premium” HDMI cables or HDMI 2.0 or better. Cable runs up to 10 M (~30 feet) in length should work well with these cables. Please consider the actual path that the cable must take when determining the length.
- For longer runs an “Active” cable or an “Optical” HDMI cable should be considered. These cables are more expensive but they should ensure trouble free imaging. They contain a tiny signal amplifier in the HDMI plug which is powered by the device that they are connected to. PLEASE NOTE: Active HDMI cables are directional and will not

work if installed backwards. One of the HDMI connectors is typically marked “SOURCE” and would be connected to your camera (or to the Magewell Loop Thru connector if going out to a video monitor). The other HDMI connector is typically marked “TV”.

- Quality HDMI cables can be thicker and less flexible than expected. Make sure that your cable can make all of the bends required without being overly stressed. Optical cables are usually thinner and more flexible but can also be somewhat less rugged if they will be flexed continuously.

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MED-9103 REV.0 2.3.2026