# HDMI Capture Device

U800

User Manual

MyGica U800 Quick Start Guide

Thank you for purchasing MyGica U800 product. The following will guide you through how to set up this device. Hope this device will bring you nice digital experience.

With MyGica U800, just plug to your PC (Windows, Mac, Linux), there is no need to install driver. You can use any 3rd party software to capture or stream your HD game or other HD video source.

1. USB3.0 Type-A port: To connect to computer with USB3.0 cable.
2. HDMI input port: Connect video source with HDMI cable.
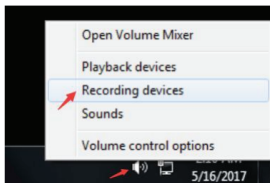3. HDMI output port: Connect TV with HDMI cable.

TV   Video Source   Computer
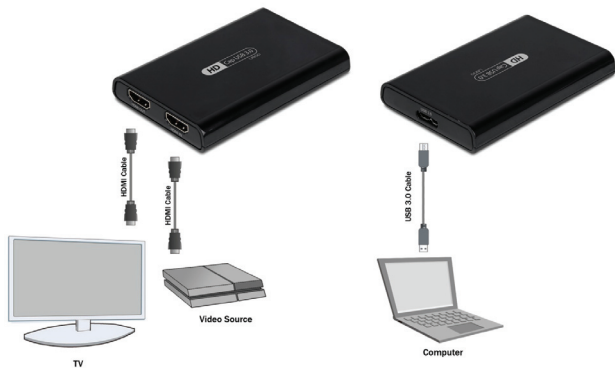
For Windows

First, set the audio capture sample rate to 48KHZ:
Note: This is an important settings, otherwise will caused bad audio quality.

1) After connect the device to computer, right click on "Speaker" icon on Desktop and choose "Recording devices"

2) Double click on Digital Audio Interface "FHD Webcamera", and then select the "Advanced" menu. Change the sample rate to "2 channel 16 bit, 48000 Hz (DVD Quality)"
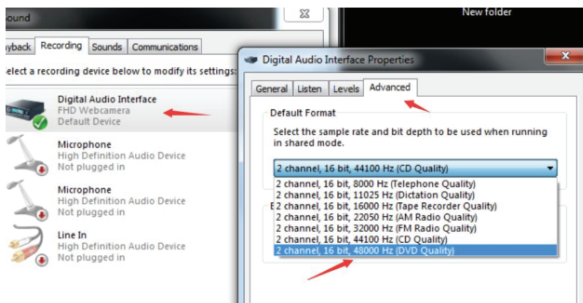

3) If you need to adjust the input audio volume level or if there is no audio input, select "Levels" menu and set the volume level and check the icon behind the value to see if the audio is mute or not. (You can change it by clicking on it)
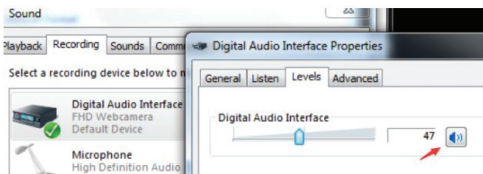
OBS Studio (for windows, Mac, Linux):

1. Go to obsproject.com/download to download OBS Studio according to your computer's operating system, and install it on your computer.
   Connect U800 to your computer with USB3.0 cable and connect video source and TV with HDMI cable. Windows will install the driver automatically, and you will see "FHD Camera" in device manager.

2. Run OBS Studio, Click"+"icon under "Source "windows and select "Video Capture Device". Then select "FHD Camera" in the drop box next to "Device".
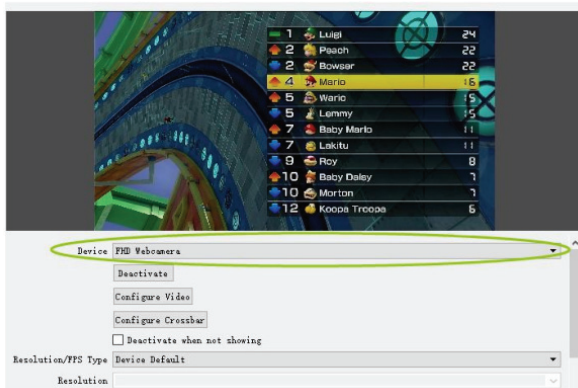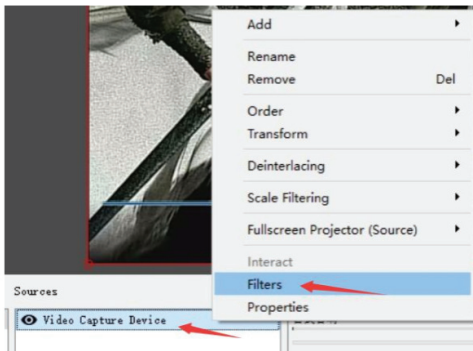

3. At Set Audio Output Mode to "Output desktop audio (WaveOut).Audio Device to "FHD Webcamera".
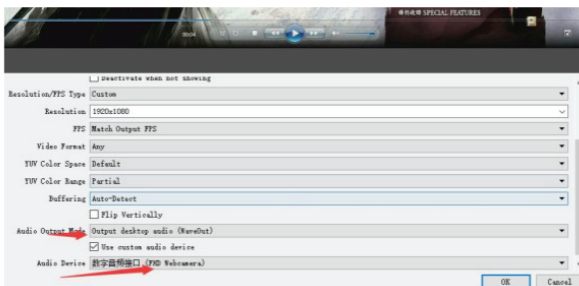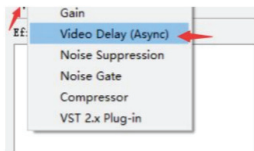
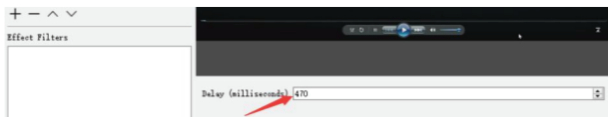4.Set the video latency for make the audio and video synchronized:
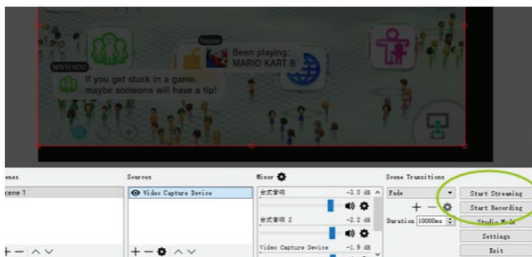 a) Right click "Video Capture Device" then click "Filters";

b) Click to add "Video Delay (Async)";

c) Set it to 470ms (You can adjust it smaller or bigger until you found the audio and video synchronized)
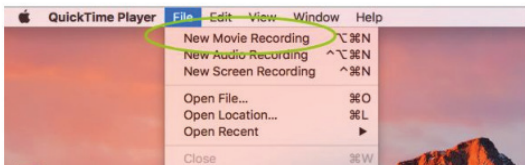
5.Then you can recording or streaming video :

Work with other applications (e.g. VLC, Media encoder, Protplayer…):
Just run the application then choose capture device to "FHD Webcamera".

For MAC:

Works with Quick Time Player;
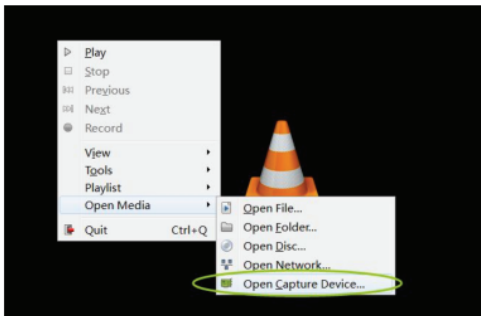1.Run Quick Time Player, select "New Movie Recording";

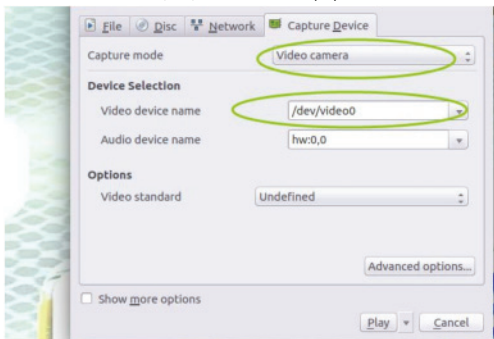2. Choose "FHD Webcamera" under Camera and Microphone option:

For Linux:

Works with OBS VLC (shows example for Ubuntu):

1. Right click on window, select "Open Capture Device"

2. Choose "Video camera "---"/dev/video0"then click "play"

System Requirement	Windows 7,8,10, OS X 10.9 or later, Linux. PC: Intel Core i5-3400 + NVIDIA GT630, NB: Intel Core i7-3537U 2.0 GHz + NVIDIA GT735, Mac: i5 quad-core or above, VGA card supporting DirectX 10, Sound card, 4GB RAM, Powered USB 3.0 port: Intel chipset with native USB 3.0 host controller (Renesas, Fresco …)
Resolution	720 x 480 (60p), 720 x 576 (50p), 1280 x 720p (50p), 1280 x 720p(60p), 1920 x 1080 (50i), 1920 x 1080 (60i), 1920 x 1080 (24p), 1920 x 1080 (25p), 1920 x 1080 (30p), 1920 x 1080 (50p), 1920 x 1080 (60p)
Software compatibility:	OBS Studio (windows,OS X); Windows Media Encoder (Windows); Adobe Flash Media Live -Encoder (Windows, OS X); Real Producer Plus (Windows); VLC (Windows, OS X, Linux); QuickTime Broadcaster (OS X); QuickTime Player (OS X); Wirecast (Windows,OS X); vMix(Windows); Potplayer(Windows)and etc.
Development interface compatibility:	DirectShow (Windows), DirectSound (Windows),V4L2 (Linux), ALSA (Linux) OS X (QuickTime)
Record Quality	Max 1080P 60fps