# TRICOM USB3.0 CAPTURE 3G-SDI

***-SDI TO HDMI 1080P60 & MIC+AUDIO-***

# User manual

## 1. Introduction

3G-SDI capture card, it is easy to carry, have a superior performance, superior compatibility, simple installation and many other features. It can capture one 3G-SDI input, output HDMI 1080p and USB 1080p60 signals. The SDI video capture meets UVC and UAC standard, without having to install drivers and settings, the real PnP, easy to use.

## 2. Package

- USB3.0 Capture 3G-SDI Box----------1Pcs
- USB3.0 Cable----------1Pcs
- HDMI Cable----------1Pcs
- User manual----------1pcs

### 3. Feature

- It doesn't need to install a driver, and it is truly PnP.
- It is compatible with Windows, Linux, OS X operating systems
- USB3.0, 300-350MB/s throughput and it is compatible with USB 2.0
- The process of video and audio is done by the dongle and will not occupy the CPU.
- It can capture one single channel SDI video signals.
- It can automatically detect the input video formats and it will adjust to the set output size and frame rate automatically.
- Support SD-SDI/HD-SDI/3G-SDI input.
- Support SDI TO HDMI 1080p60(HDMI loop output 1080p60).
- Support MIC input and audio output.

**4. Specification**

| | |
|---|---|
| Host Interface | USB3.0, *300-350MB/s,<br>USB2.0, *40MB/s |
| Input Interface | SDI interface<br>SDI Input Formats:<br>SD-SDI,HD-SDI,3G-SDI<br><br>HDMI Output Formats:<br>480i,480p,576i,576p,720p,<br>1080i,1080P |

USB3.0 Output Formats

Resolutions:640x360/800x450/1280x720/960x540/1920 x1080

Frame Rate:30/40/48/50/59.94/60 fps

Size:112x72x19 (L/W/H, mm)

Weight:130g

| | |
|---|---|
| Power consumption | <= 2.5W |
| Working Temperature | 0-50 deg C |
| Storage Temperature | -20-70 deg C |
| Storage Humidity | 5%-90% |

**5. Connect and Operate**

1. Connect the signal sources such as Blu-Ray Player, Play Station , audio/video receiver, satellite receivers with SDI output interfaces with a bnc cable to the device sdi input

2. Insert the USB3.0 cable head to USB3.0 interface, the other side of the cable into your computer's USB3.0 interface.

3. SDI to USB3.0 Video Capture Dongle is based on UVC (USB video class), UAC（USB audio class）

STANDARD, without having to install drivers and settings.After installation in operating system, the relevant video and audio devices will be added on. In Windows, for example, will have new image device:

**USB3.0 HD Video Capture ;**

**USB3.0 HD Audio Capture ;**

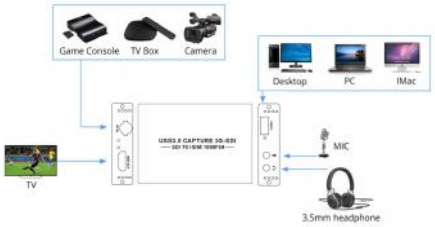
USB3.0→Connect the computer or notebook.

→Connect the microphone.

→Connect the headphone.

SDI IN→Connect the SDI Signal.

HDMI OUT→Connect the hdmi monitor or TV.


Game Console
TV Box
Camera
Desktop
PC
IMac
TV
MIC
3.5mm headphone

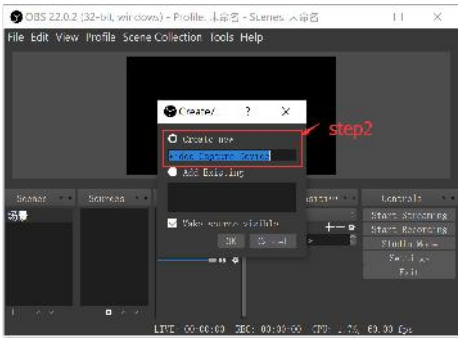
**6. How to use OBS to record video?**

**Step1:**

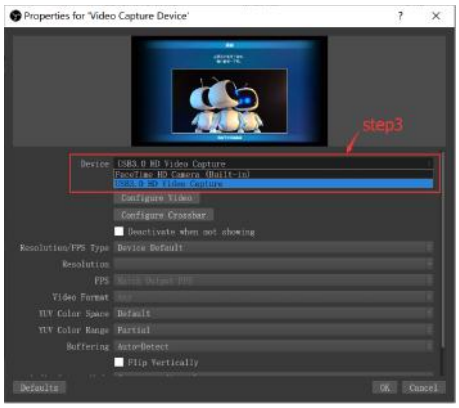
**Clik:+**

**Choose:Video Capture Device**

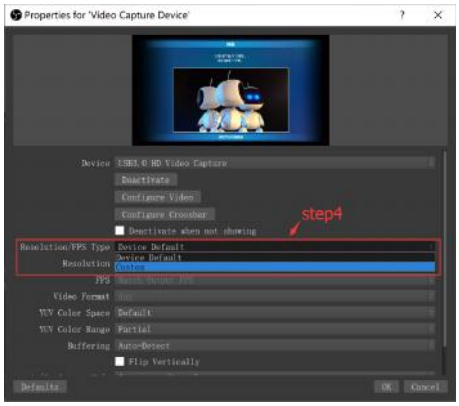
**Step2:**
**Create a new name**



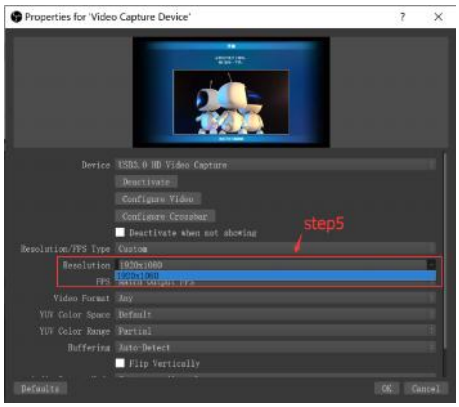

**Step3:**
**Device:Choose “USB3.0 HD Video Capture”**



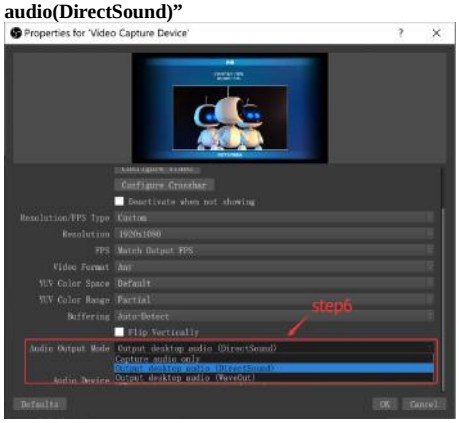

**Step4:**
**Resolution/FPS Type:Choose “Custom”**



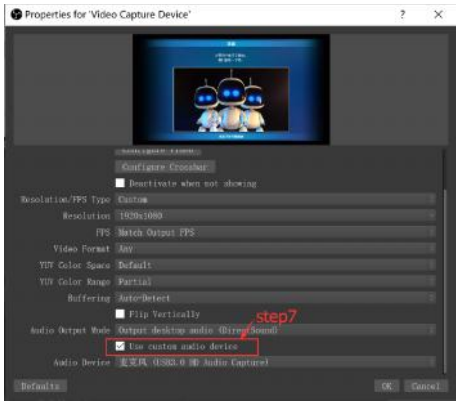

**Step5:**
**Resolution:Choose “1920x1080”**


Properties for 'Video Capture Device'
Device
USB3.0 HD Video Capture
Deactivate
Configure Video
Configure Crossbar
Deactivate when not showing
step5
Resolution/FPS Type
Custom
Resolution
1920x1080
Video Format
Any
YUV Color Space
Default
YUV Color Range
Partial
Buffering
Auto-Detect
Flip Vertically
Defaults
OK
Cancel

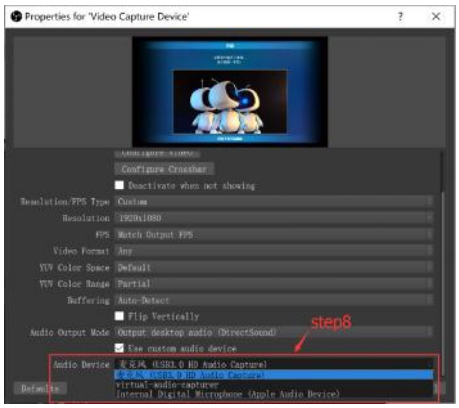
**Step6:**
**Audio Output Mode:Choose “Output desktop audio(DirectSound)”**



**Step7:**
**√ Usb custom audio device**




**Step8:**
**Audio Device :Choose “USB3.0 HD Audio Capture”**




**Step9:**
**Clik “Start Recording”**

OBS 22.0.2 (32-bit, windows) - Profile: 未命名 - Scenes: 未命名
File Edit View Profile Scene Collection Tools Help
step9
Start Recording
Studio Mode
Settings