

HU820 Installation Manual

Contents

V1.01

CHAPTER1 :HARDWARE INSTALLATION	2
1.1 Package Contents	2
1.2 System Requirements	2
1.3 Hardware Installation	3
1.4 Device Configuration	4
1.5 FAQ	4
APPENDIX. HOW TO PERFORM THE OBS SETTING	7

Chapter1 :Hardware Installation

1.1 Package Contents

Unpack your package and make sure that all items are intact. The following items should be included in your package:

- HU820 Device
- USB 3.2 cable
- Audio passthrough cable
- HDMI cable (optional)

1.2 System Requirements

	Windows 10 x64 above (support UVC)	MacOS 13.X above (support UVC)
Desktop	Intel Core i7-6xxx equivalent or above	3.6 GHz quad-core Intel Core i7
	NVIDIA GeForce GTX1050Ti equivalent or above	Radeon Pro 555 with 2 GB of VRAM
	16 GB RAM	16 GB of 2400 MHz DDR4 memory
	available USB 3.2 Gen 1 / Gen 2 Port	available USB 3.2 Port
Laptop	Intel Core i7-7700HQ equivalent or above	
	NVIDIA GeForce GTX1050 Ti equivalent or above	
	16 GB RAM	
	available USB 3.2 Gen 1 / Gen 2 Port	

1.3 Hardware Installation



Switch and connectors

	Item	Function Description
1	HDMI IN	Connect HDMI source input
2	USB-C DP IN	Connect USB-C DP Alternate Mode source input
3	HDMI OUT	Connect a monitor for pass-through purpose
4		Connect CITA Headset and Audio cable to the Game Pad of Game Console
5	UVC	Connect to the PC to perform the video capture
6	MODE Switch	Switch the HDMI / USB-C input Push Out = HDMI input Push In = USB-C input
7	PD Port	PD power passthrough to charge the USB-C DP input device.

1.4 Device Configuration

LED

	Standby Mode	Working Mode
Plug in	Purple(1 sec)	N/A
USB 3.2 Gen 2	Purple Static	Purple flashing
USB 3.2 Gen 1	Blue Static	Blue flashing
USB 2.0	Green Static	Green flashing
HDCP Protected	Blue and Red flashing	N/A
No Video	Blue and Red flashing	N/A
FW Update	Red flashing	N/A

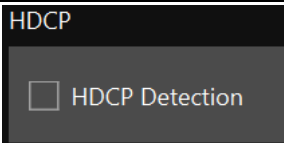
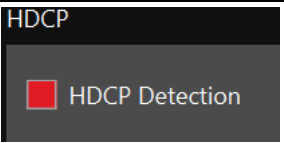
1.5 FAQ

Q1. No USB-C audio input in capturing when switching to USB-C input.

Ans. Please check the audio output from the USB-C input source, the audio output should be "default" or the "bypass monitor name". Select the correct audio output to transmit the sound to HU820, then switch the HDMI / USB-C input again to get the USB-C audio input. Now we can get the USB-C audio input and capture it.

Q2. What can I do when HDCP protection appeared??

Ans. Here we can use VCap Utility to adjust HDCP detection. The table below we can use to check the status.

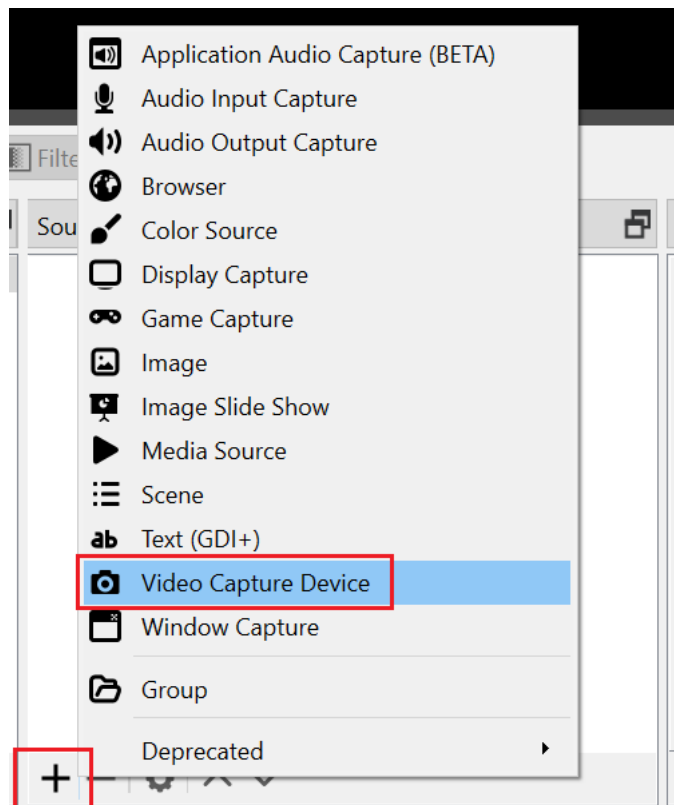
		
	HDCP Detection OFF iOS/MAC OS device record mode	HDCP Detection ON Normal mode
iOS device with HDMI/DP output	Usually, it will output the HDMI/DP without HDCP. OK for record. But YouTube or Netflix such copyright-protected video output, iOS still uses HDMI/DP with HDCP to output. No way to record.	iOS still uses HDMI/DP with HDCP to output. No way to record.
MAC OS device with HDMI/DP output	Usually, it will output the HDMI/DP without HDCP. OK for record. But YouTube or Netflix such copyright-protected video output, MAC OS still uses HDMI/DP with HDCP to output. No way to record.	MAC OS still uses HDMI/DP with HDCP to output. No way to record.
Some Media Players which use the iOS behavior	Usually, they will output the HDMI without HDCP. OK for record. But YouTube or Netflix such copyright-protected video output, MAC OS still uses HDMI with HDCP to output. No way to record.	Still uses HDMI with HDCP to output. No way to record.
PS4 / PS4 Pro / PS5 HDCP set to OFF then HDMI output	They will output the HDMI without HDCP. OK for record.	They will output the HDMI without HDCP. OK for record.
PS4 / PS4 Pro / PS5 HDCP set to ON then HDMI output	They will treat the device as a Non-HDCP compliant Rx. Perhaps they will output HDMI without HDCP black screen. OK for record but what you got is black screen.	They will output the HDMI with HDCP. No way to record.
Use PS3 to test the HDMI output	PS3 always outputs the HDMI with HDCP. It will treat the device as a Non-HDCP compliant Rx. So they will output HDMI without HDCP black screen. OK for record but what you got is black screen.	PS3 always outputs the HDMI with HDCP. No way to record.

Summary

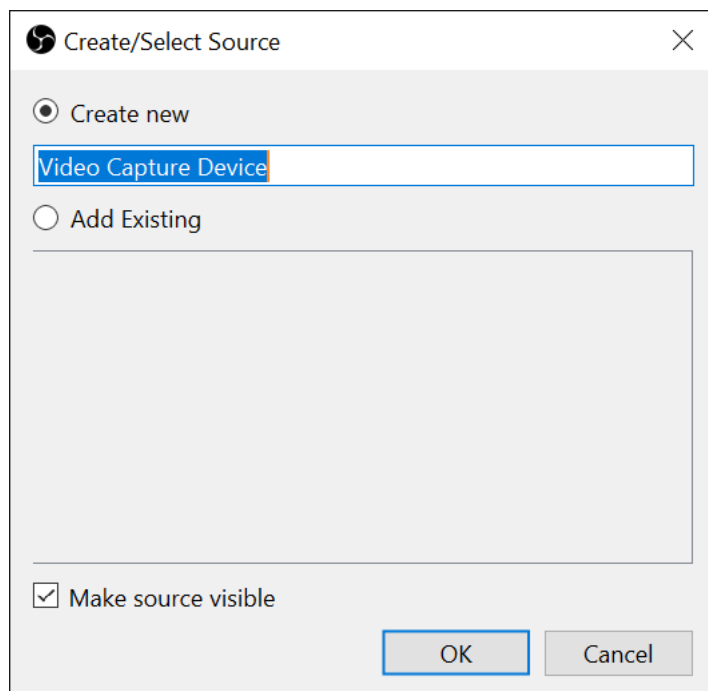
1. We didn't make HDCP signal become Non-HDCP signal. So we won't meet the law issue.
2. We can use the iOS record switch to record the HDMI/DP signal from iOS device and MAC OS device.

Appendix. How to perform the OBS setting

1. Add a Video Capture Device.



2. Keep the default name.



3. Use the settings like the picture below.

Properties for 'Video Capture Device'



Device: CT2280 4KUHD video capture

Deactivate

Configure Video

Configure Crossbar

☐ Deactivate when not showing

Resolution/FPS Type: Device Default

Resolution: [Dropdown]

FPS: Match Output FPS

Video Format: Any

Color Space: Default

Color Range: Default

Buffering ⓘ: Auto-Detect

☐ Flip Vertically

☒ Apply rotation data from camera (if any)

☐ Use hardware decoding when available

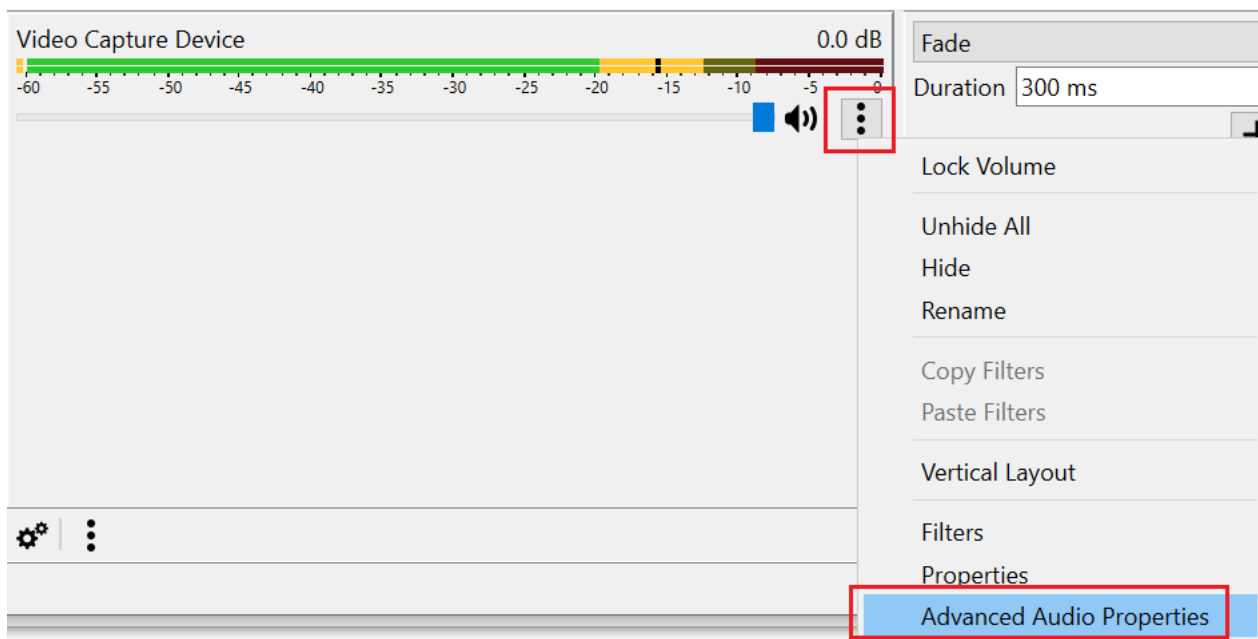
Audio Output Mode: Capture audio only

☒ Use custom audio device

Audio Device: Audio In (12- CT2280 4KUHD audio capture)

Defaults OK Cancel

4. Go to the Advanced Audio Properties.



5. Choose the monitor and output to get the audio in OBS for audio monitoring.

