

HD Video Capture Pro

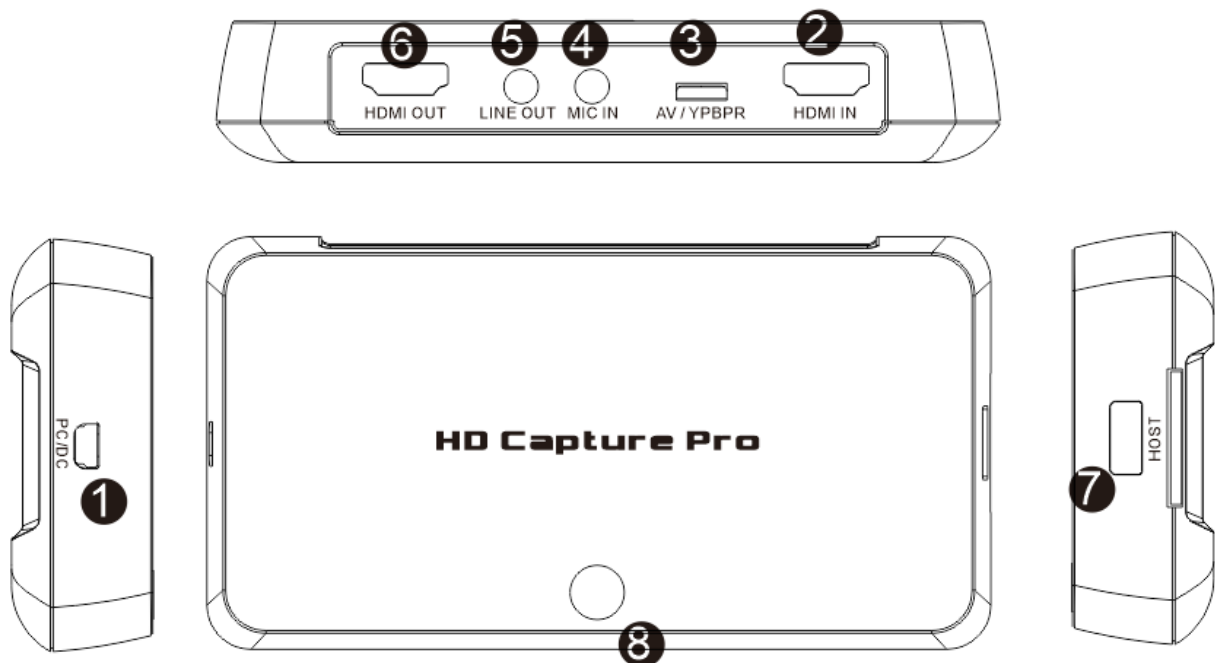
Quick Start Guide

Thanks for purchasing ezcap295 HD Video Capture Pro. The following guides you how to set up. Hope this device will bring you nice digital experience.

With this ezcap295 HD Video Capture Pro, you can capture up to 1080P video from HDMI ,Ypbpr (component) or composite port, such as blue ray, set-top-box, computer, game box, VHS, etc. And you can playback the record movie directly.



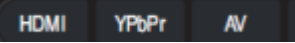
Ezcap295 has record and playback two function in one device, use remote controller to set to playback mode. You can also set schedule recording, set recording quality, set split recording file or not.






Features/ports and buttons:




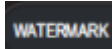
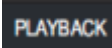

1. PC/DC—DC 5V power supply, or connect to PC.
2. HDMI IN—HDMI input.
3. AV / YPBPR—Ypbpr component or composite input through adapter cable
4. MIC IN—For connect a microphone and record voice comments when play game.
5. LINE OUT—Audio output.
6. HDMI OUT—HDMI output, so can connect to monitor to pass through display the input video.
7. HOST—Plug a USB flash (or USB HDD) to save record video.
8. Record button —Press button to record/stop record.

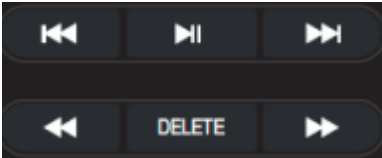
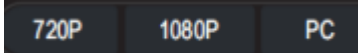
Remote controller:

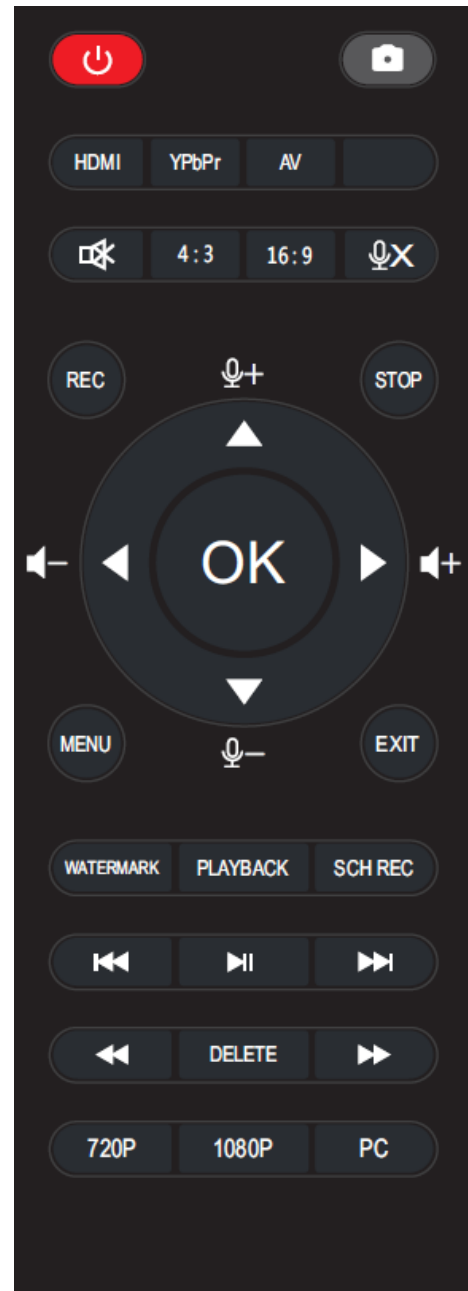
1.  Press to Power ON/OFF, ezcap295 is set to default Power On mode, and will memory the status before power disconnected.
2.  Press to capture a still image. (not effect on recording video mode.)
3.  to select the source.

4.  Mute
5.  Microphone mute
6.  Set the ratio of output video
7.   Start/Stop video recording

8.  For menu operation
And volume up/down
Microphone volume Up/down

9.  For the time watermark on recording file
10.  Press to enter playback mode, press "EXIT" or source key (HDMI/YPbPr/AV) to return.
11.  Set schedule recording.

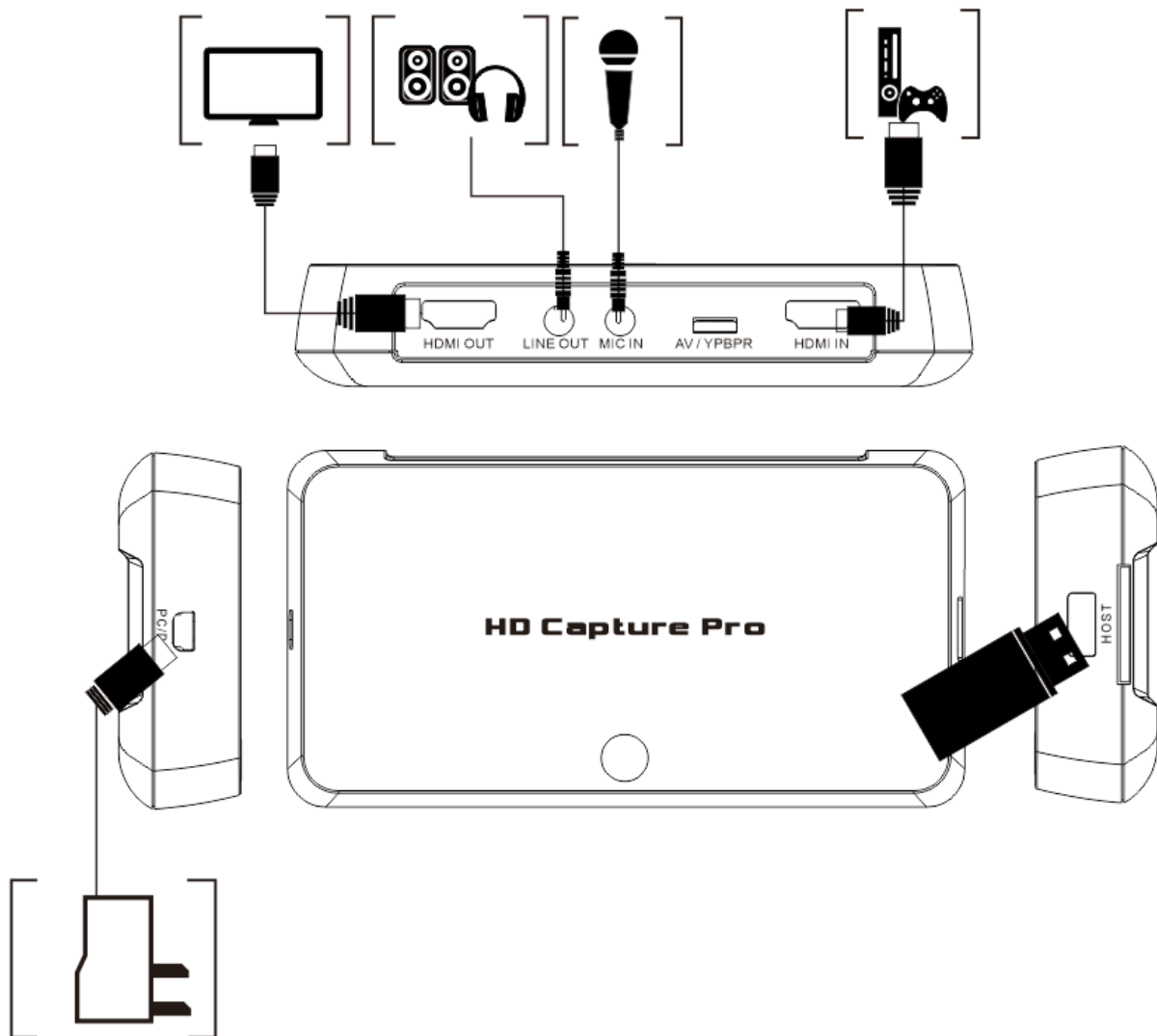
12.  Operate the playback
"DELETE" can delete the video don't need anymore.
13.  Set the resolution of output / recording video



Connections:

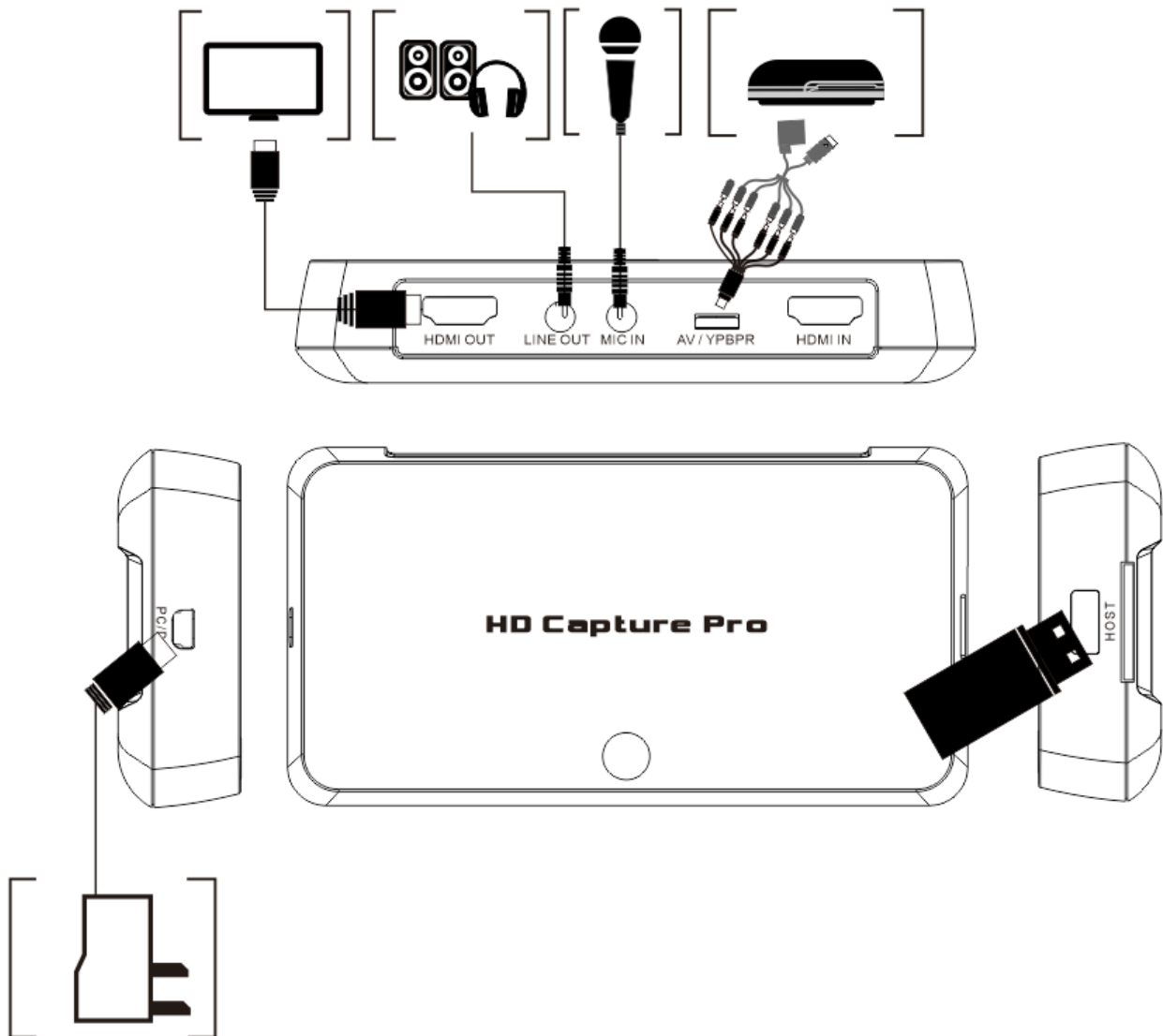
Ezcap295 have 3 input modes: HDMI, component, composite. And it will automatically recognize the input video source.

Connect with HDMI input source:



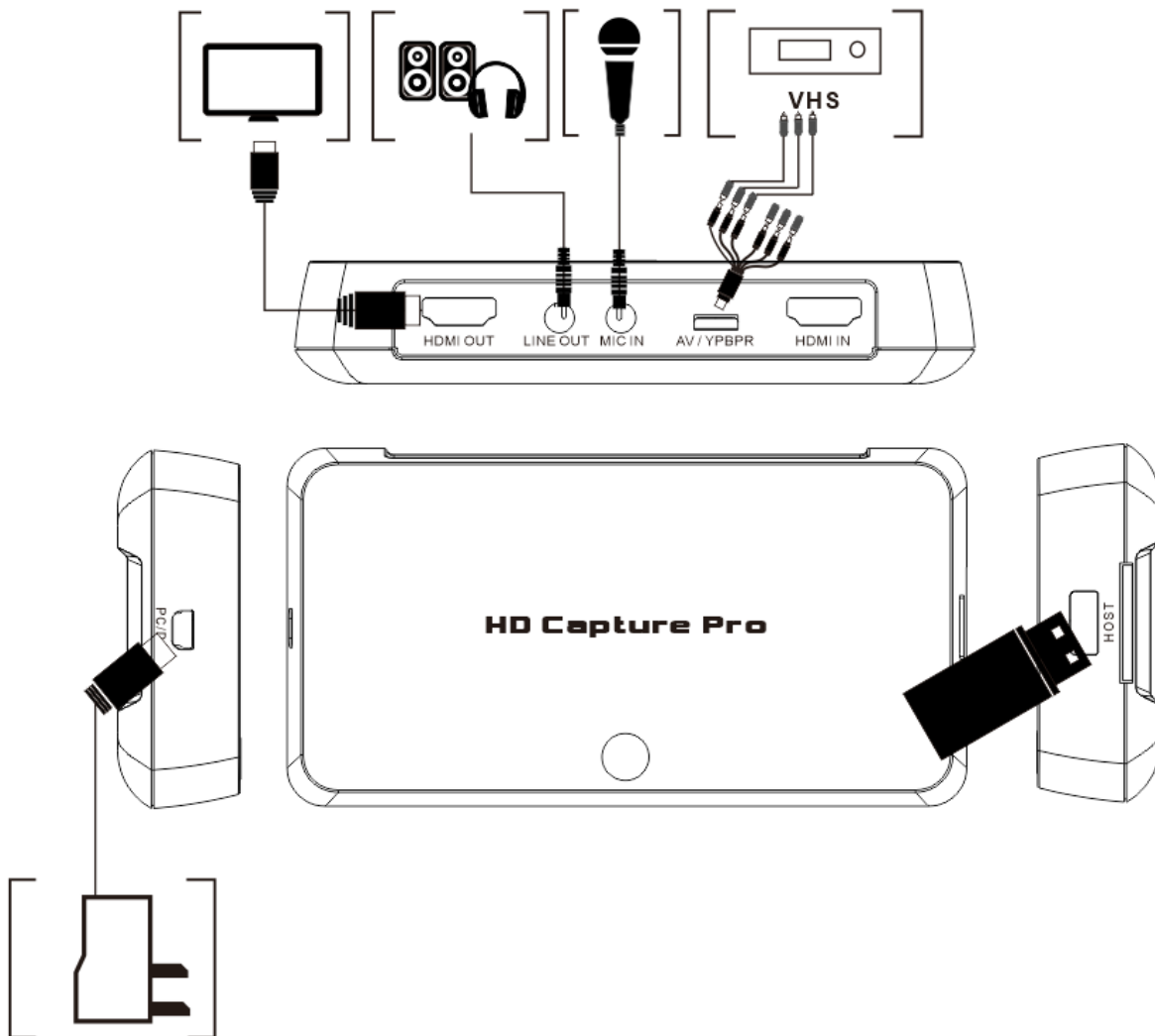
- 1, Connect power with DC adaptor
- 2, Plug an USB disk.
- 3, Use HDMI cable to connect HDMI video source, such as game player, set top box, etc.
- 4, With HDMI cable connect to monitor
- 5, The "LINE OUT" is for connect to speaker or earphone, it's not necessary if you don't need, cause the HDMI output also with audio output.
- 6, You can connect your microphone to record your comment when play game, it's not necessary only if you need it.

Connect with Ypbpr component video source (such as DVD player, PS3. Etc):



- 1, Use the adapter cable in the package to connect component (red, blue, green), just don't mixed the red with the audio cable (the audio cable red and white will be separated with component)
- 2, The other connection will total same as HDMI connection above.

Connect with composite video source (such as camera, VHS, V8, Hi8, Etc):



- 1, Connect the composite (yellow cable and red white audio cable) to your video source with the adapter cable come with the package.
- 2, The other connections are all same as HDMI input connections above.

Record:

When power on ezcap295, it will be at default mode—Recording mode, the green LED will be on.

After connection done as above, the monitor should show the input video. The screen will show “No Signal” if there is no any video input.

To record video is very simple --- press the REC button (or “REC” on remote controller), then you will see the indicator turns to red , you can also see “REC ACTIVE” words shows on monitor for a short time. Press button again (or “STOP” key on remote controller) to stop recording, the indicator turns back to green, and “REC stop” words will show on monitor for a short time. use ◀ ▶ key to adjust the audio volume

Use 📷 button of remote controller, you can get a still image by one press, but it is only work when NOT recording.

Recording comments during video recording: If you connect a Microphone to MIC port, you can record comments with video, you can adjust the microphone volume by ▲ ▼ key of remote

controller.

Use the 720P/1080P/PC keys of remote controller to adjust recording resolution. PC is for 1366 * 768 resolution.

Use the 4:3/16:9 keys of remote controller to adjust video rate.

Use the WATERMARK key of remote controller to add time watermark on display and recording file. Press again to cancel time watermark.

There are several reasons for no actions when press record button, you may need check:

- 1, The input video source disconnected.
- 2, The USB flash is out of memory.
- 3, The format for USB flash is not suitable, e.g. exFAT. ezcap295 support FAT, FAT32, and NTFS.
- 4, The USB flash is not connected well.
- 5, The USB flash is not ready, normally, it will take 4~8 seconds after plug it on.

Schedule record:

Please set the SYSTEM TIME to the right local time before you set your schedule recording. Press "SCH REC" of remote controller, can set the schedule recording:

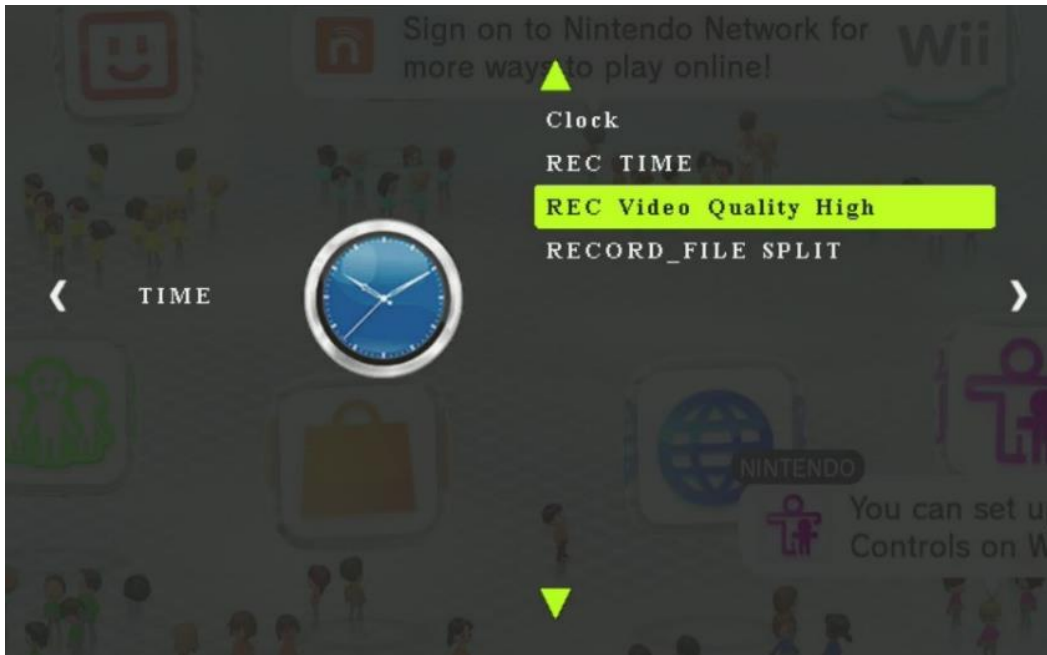
<input checked="" type="checkbox"/>	Once	<input type="checkbox"/>	Every Day
Start	Year 2017	Month 8	Date 4
	Hour 13	Minute 52	
REC TIME	11 Minute		
Select		Cancel	
task:	2017/08/04/13/52 011		

After set the schedule time, please click "select" to display the task detail in task subject.

Set the recording video quality & split:

Press "MENU" of remote controller, enter to following menu, "clock" to set the time of system, "REC" is schedule (same function as above), "REC Video Quality" you can set to High, Middle, Low, to set the recording video bit rate to 16, 10, 4Mbps

The "RECORD_FILE" you can set to SPLIT or NO_SPLIT(NTFS), to SPLIT means will cut the record file to 2GB each both in FAT and NTFS storage. NO_SPLIT(NTFS) means will cut the record file to 2GV each in FAT storage, but will save in one whole file in NTFS storage.

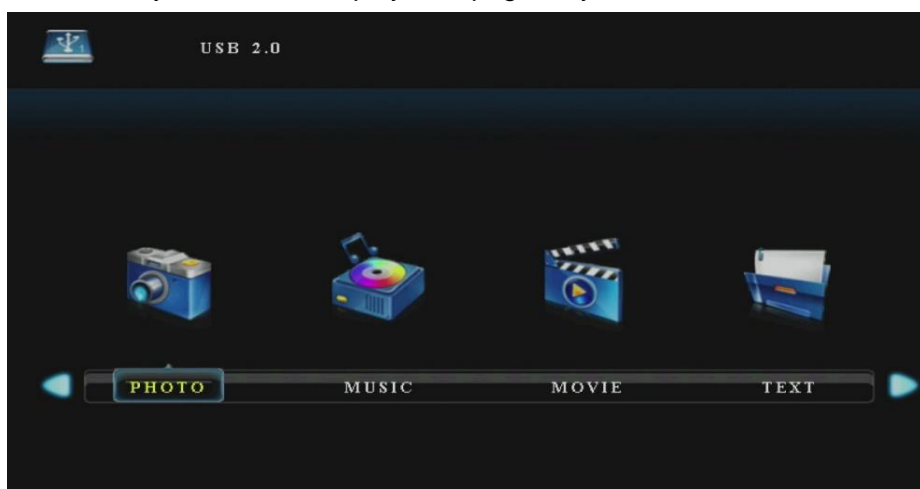


Note: please do not take the memory off when the indicator is flashing. The recording will automatically stop if the USB flash out of space.

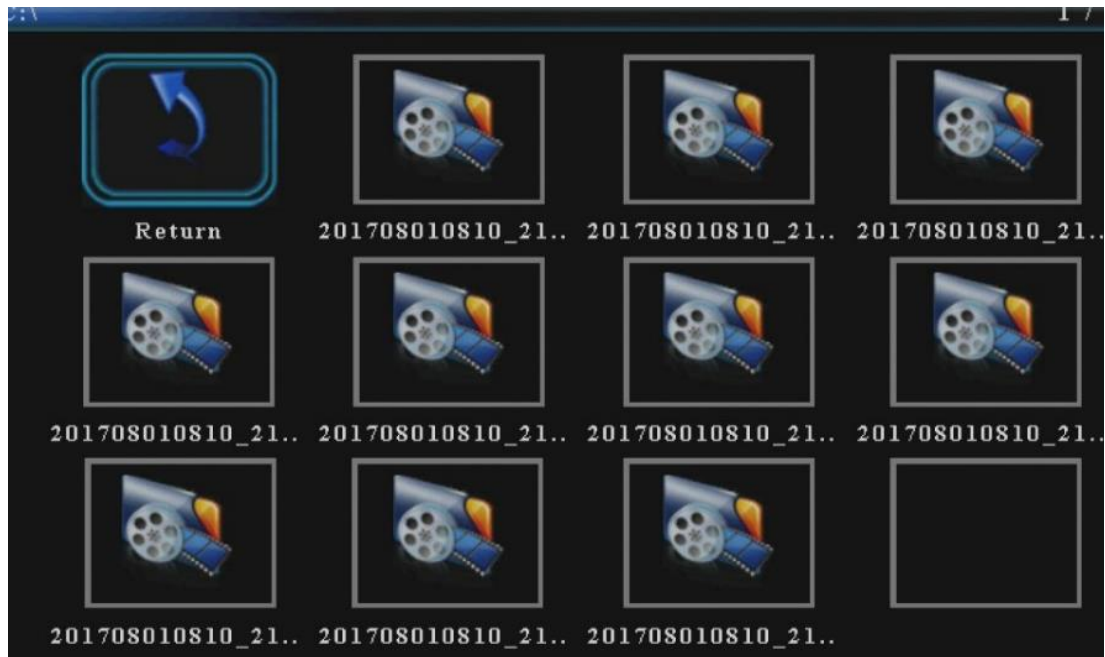
Sometimes you may find that some recorded video with problems, like: skip. It may caused by you are using a USB flash on NTFS format, and you haven't click "safety remove" the device when disconnect from computer (especially for USB HDD, if not safety remove, may caused serious problem). You can try to format it to FAT32 if that problem keeps happen.


Playback:

After recording, you may want to playback the recorded file. Just press the "PLAYBACK" key of remote controller, you will see the playback page on your screen:

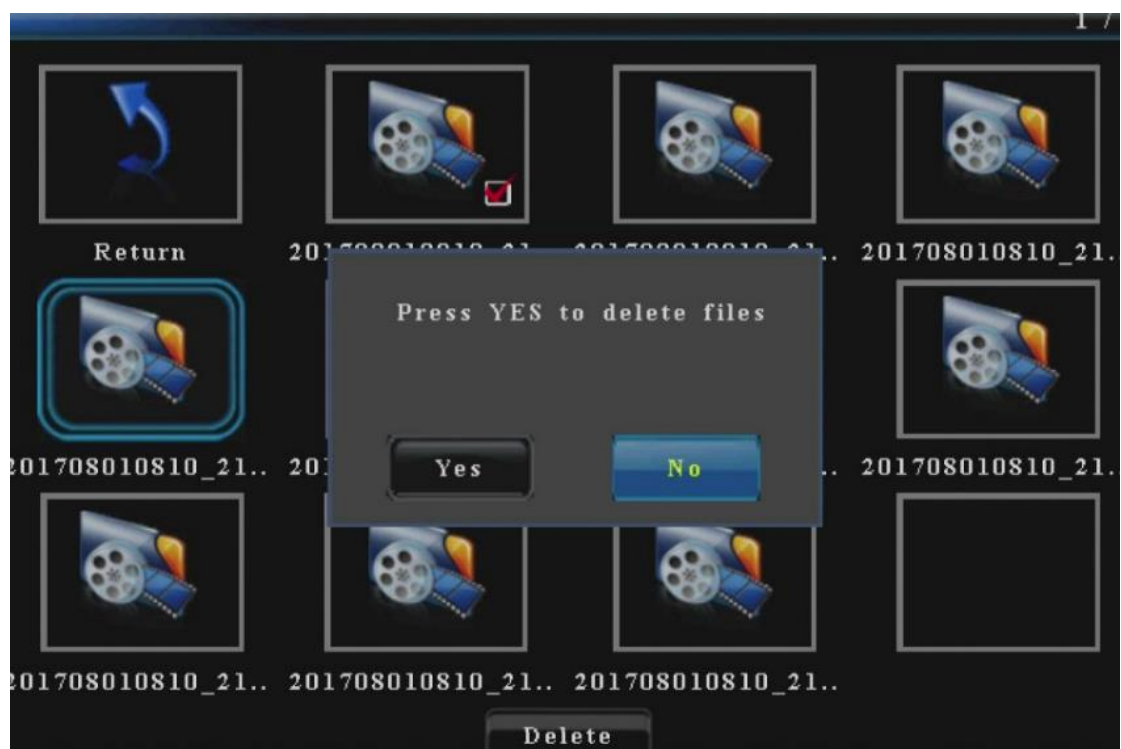


Choose MOVIE:



Use direction key of remote controller to choose movie then press  playback the recorded video, or photos if you want see the snapshot pictures.

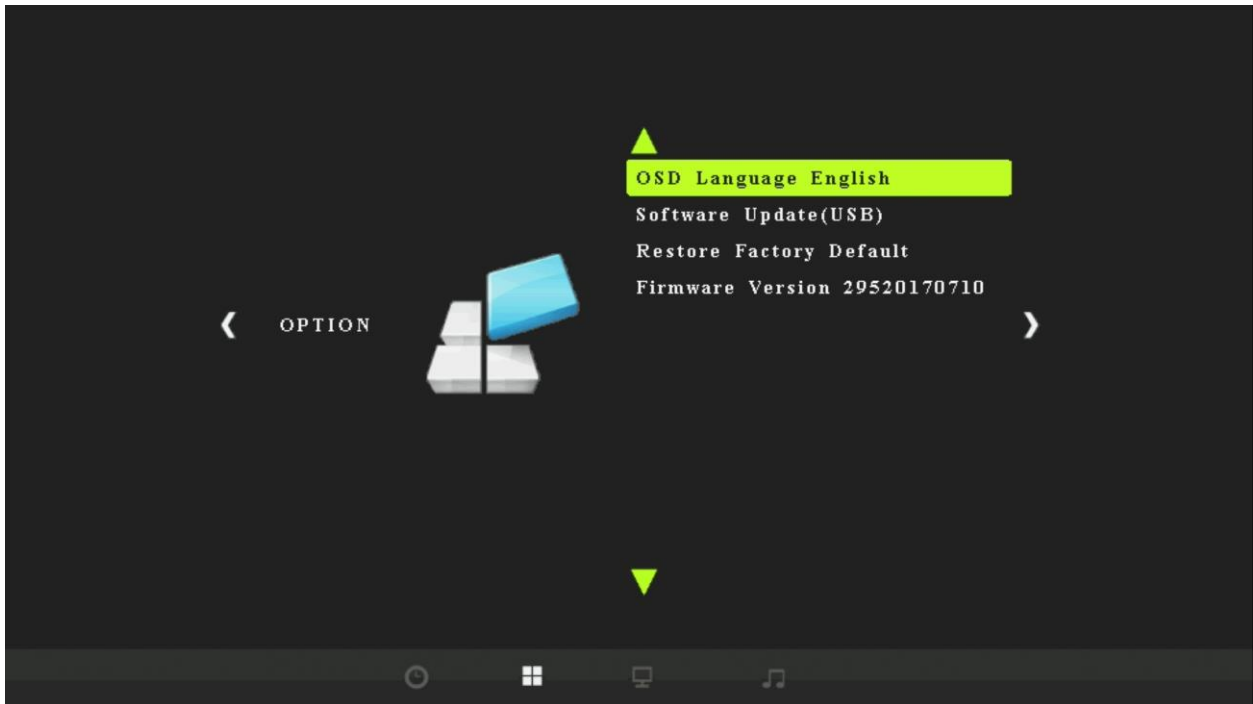
You can press “DELETE” to delete the file you don’t need any more:



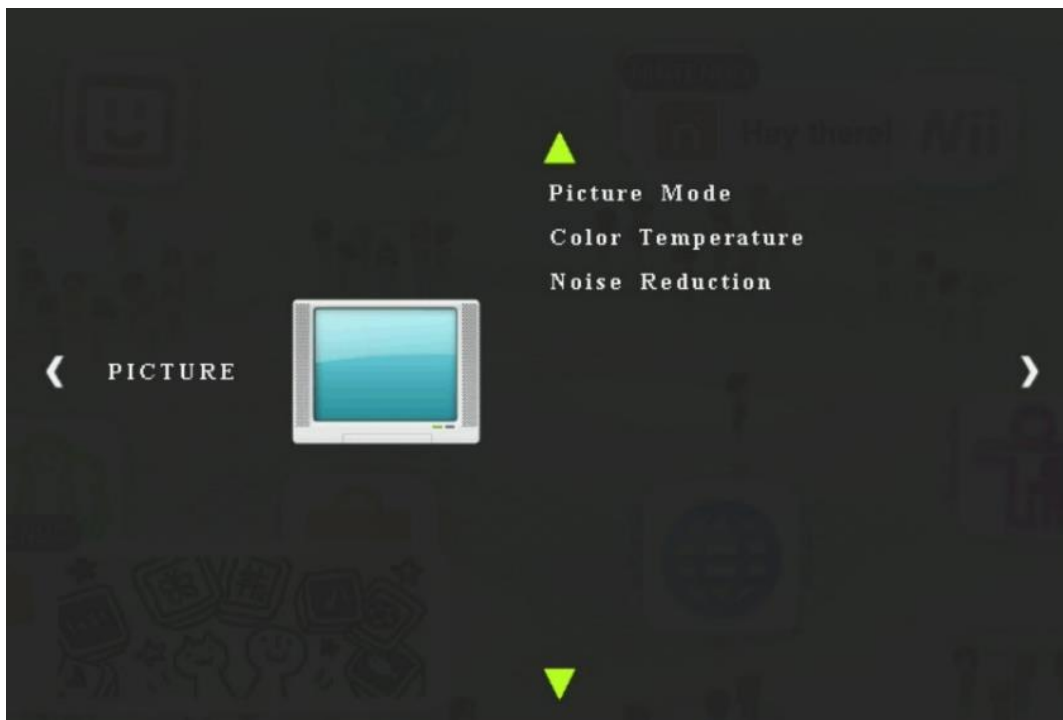
You can use      to fast backward, fast forward, last, pause/play, next operation as usual.

Other Settings:

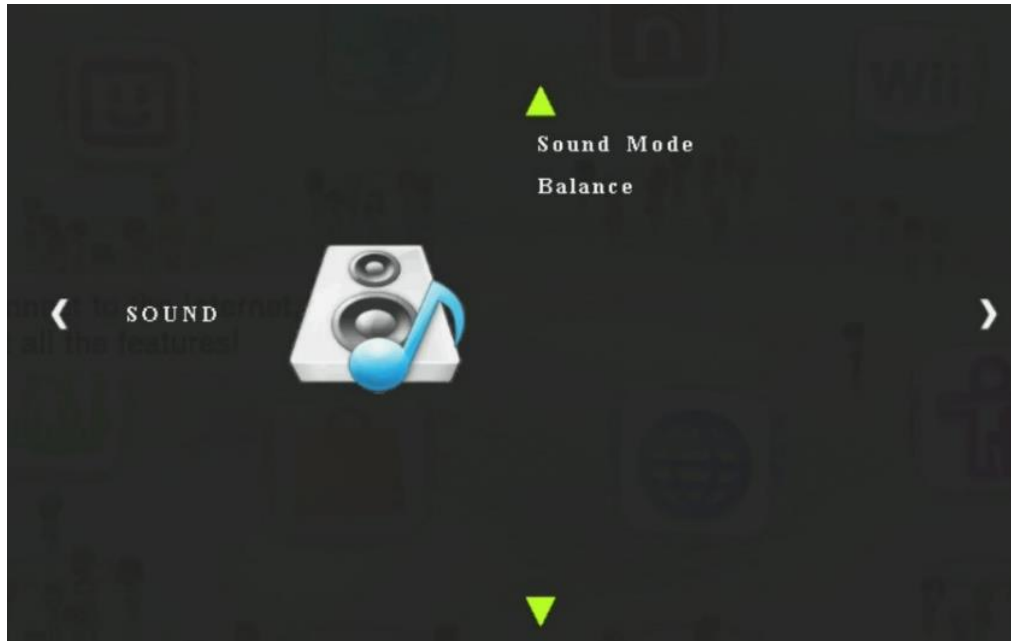
Press "MENU" enter menu operations, press direction keys to choose the settings you need:
To set OSD Language



Picture mode:



Sound mode:

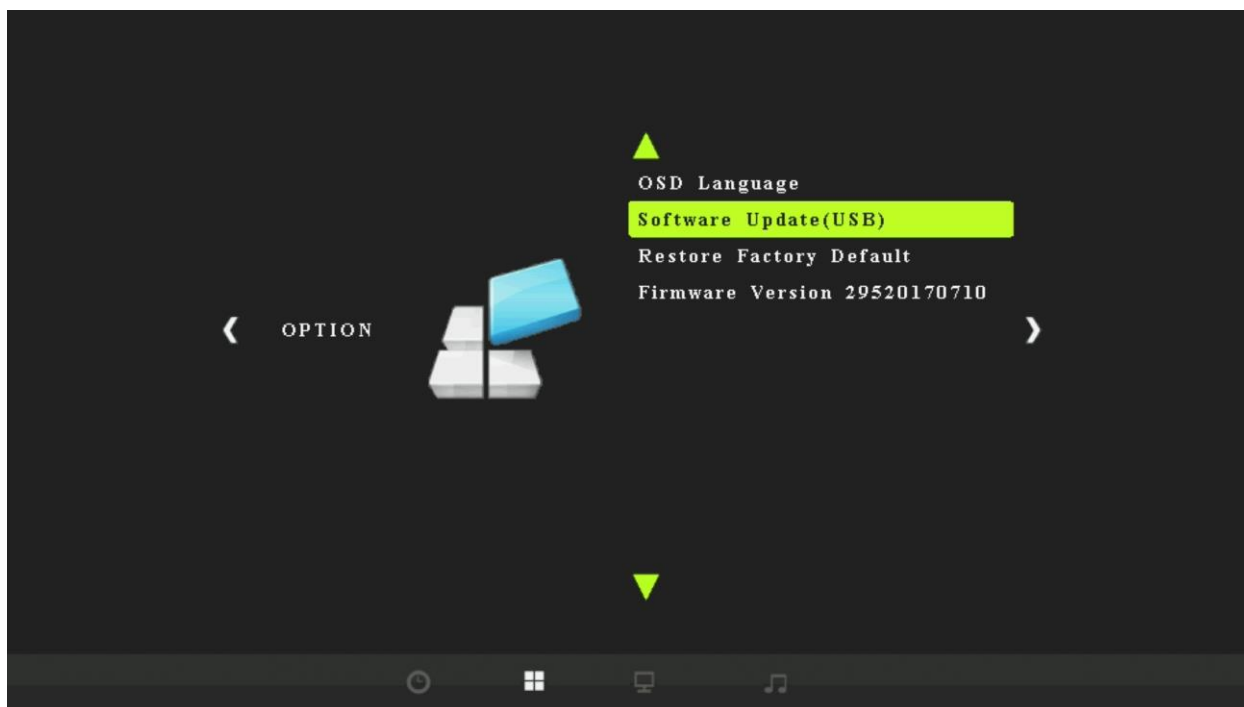


Firmware and others:

Note: The device include two parts----"record part" and "playback part", to update the firmware for them separately.

1, Update firmware for "record part": Copy the firmware file (as jedi.img format) in to USB disk, power off the device (unplug power jack), plug USB disk to device, power on, the red REC indicator will flash 7~8 seconds, it means the update is finished.

2, Update firmware for " playback part": copy the firmware file (as MERGE.bin format) to USB disk, plug the disk to ezcap295, then press "MENU" of remote controller, use direction key, find following: choose and press OK and LEFT direction key to update. Please pull power cable and push it to power on again.



Guide for OBS

ezcap HD Video Capture device can also capture and stream video with OBS software on the computer. Please download driver, guide and OBS software, and operate following the guide.

Driver: www.ezcap.com/uploads/download/ezcap284driver.zip

OBS: <https://obsproject.com/download>

Specifications:

Connections

Interface	USB 2.0 Host
Video Input	Digital: HDMI
	Analog: Component Video, Composite Video
Audio Input	Digital: HDMI
	Analog: 3.5mm Microphone In. Analog L/R in
Video Output	Digital: HDMI (Pass-through from HDMI or Component or Composite Input)
Audio Output	Digital: HDMI (Pass-through from HDMI or RCA L/R Input)
	Analog: 3.5mm Stereo (Pass-through from HDMI or RCA L/R Input)

Applicable Connections with Game Consoles

HDMI	Industry HD camera, HD Medical endoscope, TV, gameplay, etc
-------------	---

Component	TV, gameplay, etc
Composite	Industry camera, Medical endoscope, TV, gameplay, etc

Hardware Extra

Codec	Hardware H.264 encoder
User Interface	Record button, mode switch button.
	LED indicator for working status.
	infrared receiver
Dimensions	142(L) × 73(W) × 26(H) mm.
Weight	110g

Package Contents

Device	ezcap295 HD Video Capture Pro
Others	DC adaptor, remote controller, AV cable, Manual

Standards

Storage Media	USB Flash Disk, Portable Hard Disk
	Max Capacity: USB / 2T
	Note: The exFAT format is not supported.
Resolution	Input / Pass-through: 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), 3840 x 2160(30p)
	Capture: 1280 x 720p(60p), 1366*768 (60p), 1920 x 1080 (30p)
Record Format	Video: MP4, Audio: AAC Stereo

Record Quality	Max: 16Mbps@1080P 30fps
Record File	Max: 2GB / Per File, With RTC (Real Time Clock)
Record Place	Max: 140MB / Minute, 8.4GB / Hour
Power Supply	USB DC 5V / 2A

高清视频采集专业版

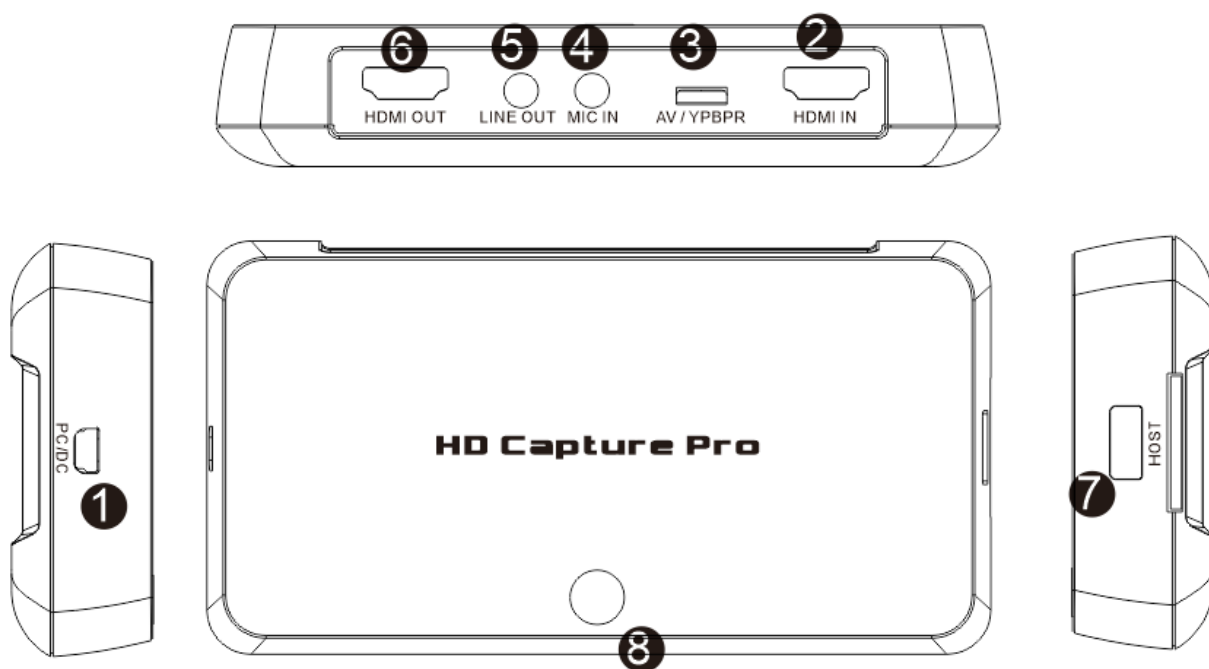
使用说明

非常感谢您购买 ezcap295 高清视频采集专业版， 下述说明让你参考如何设定和使用该产品，并希望该产品能够带给你良好体验。

拥有 ezcap295 高清视频采集专业版， 你可以从各种设备录制各种视频源-HDMI、色差和 AV，并高达 1080P 分辨率， 像蓝光 DVD、高清机顶盒、电脑、游戏机、VHS 等， 同时 ezcap295 高清视频采集专业版还可以直接回放录制的视频。

Ezcap295 是录制和回放功能一体化的，使用专配的遥控器即可使用回放功能。 你还可以使用遥控器设定预约录影、视频质量和录制文件是否分段等新颖功能。

产品外观、按键和接口：



1. PC/DC—5V 直流电源供电接口，还可以连接到电脑 USB 接口通过软件采集视频。
2. HDMI IN—HDMI 输入。
3. AV / YPBPR—通过配备的转接线输入色差分量或 AV 视频信号。
4. MIC IN—麦克风输入接口，实现麦克风与视频同时录制。
5. LINE OUT—音频线路输出接口，可连接耳机或音响系统等。
6. HDMI OUT—HDMI 输出，连接大屏幕电视机或显示器等来显示输入视频影像。
7. HOST—插入 U 盘或 USB 移动硬盘，用于保存录制的视频文件。
8. Record button —录制/停止按键，按下按键开始录制或停止录制。

遥控器:

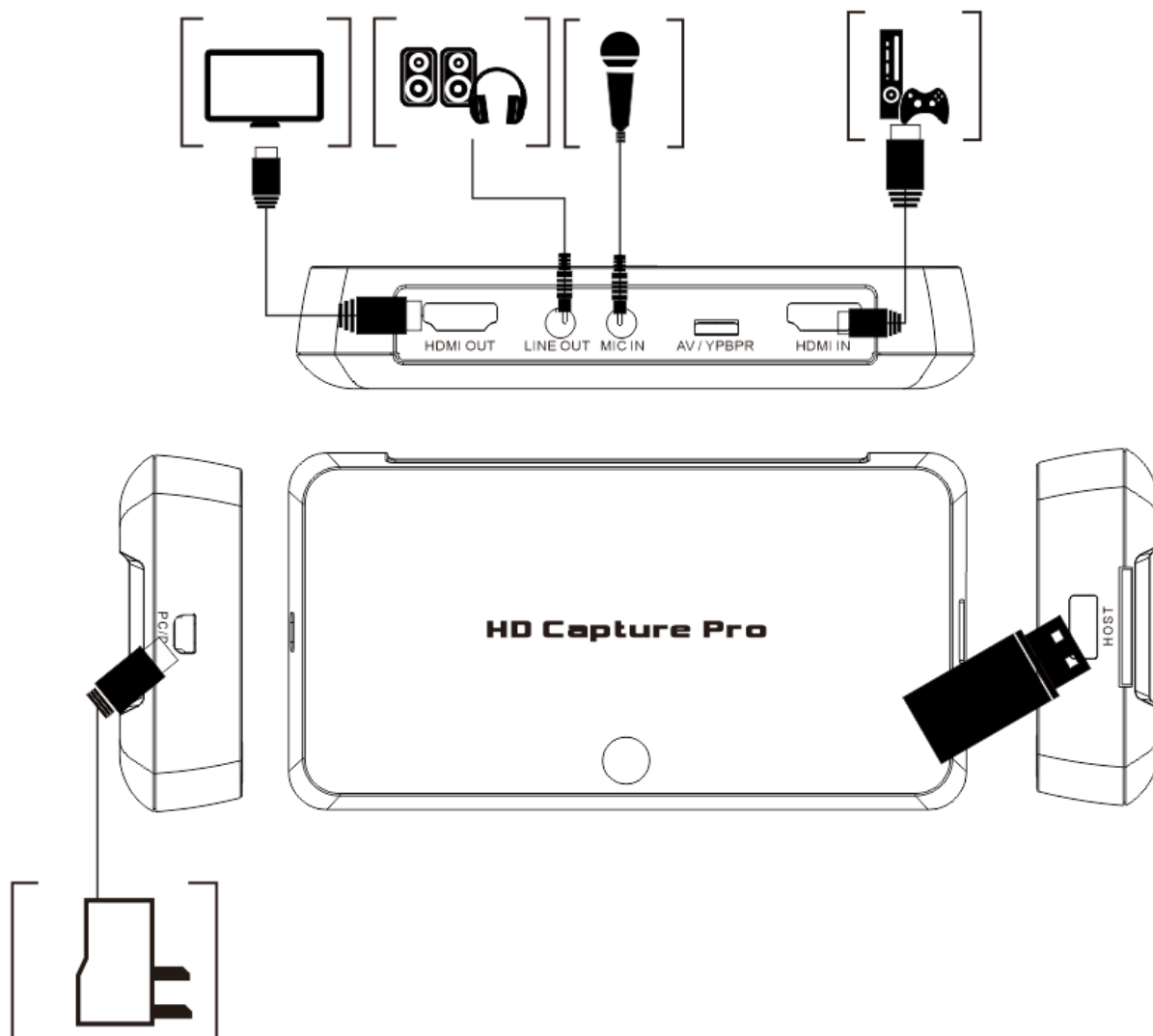
1.  开关键。设备默认为电源开模式，在关闭电源并重新启动后，设备会记忆关电之前的所有设定。
2.  抓图键，只有在不录制的状态下有效。
3.  选择输入视频源。
4.  静音。
5.  麦克风静音。
6.  设定输出视频比例。
7.  开始录制和停止录制视频。
8.  菜单导航确认键，
左右键调节音量
上下键调节麦克风音量
MENU 为菜单键和返回功能
EXIT 为退出功能
9.  按下显示当前时间水印并被记录于录制视频文件，再次按下则没有时间水印。
10.  按下进入回放模式，按 EXIT 按键或任意视频源按键 (HDMI/YPbPr/AV) 则返回预览模式。
11.  设定预约影。
12.  回放模式下的功能键。
“DELETED”可以删除选中的文件。
13.  设定输出和录制的视频分辨率。



连接:

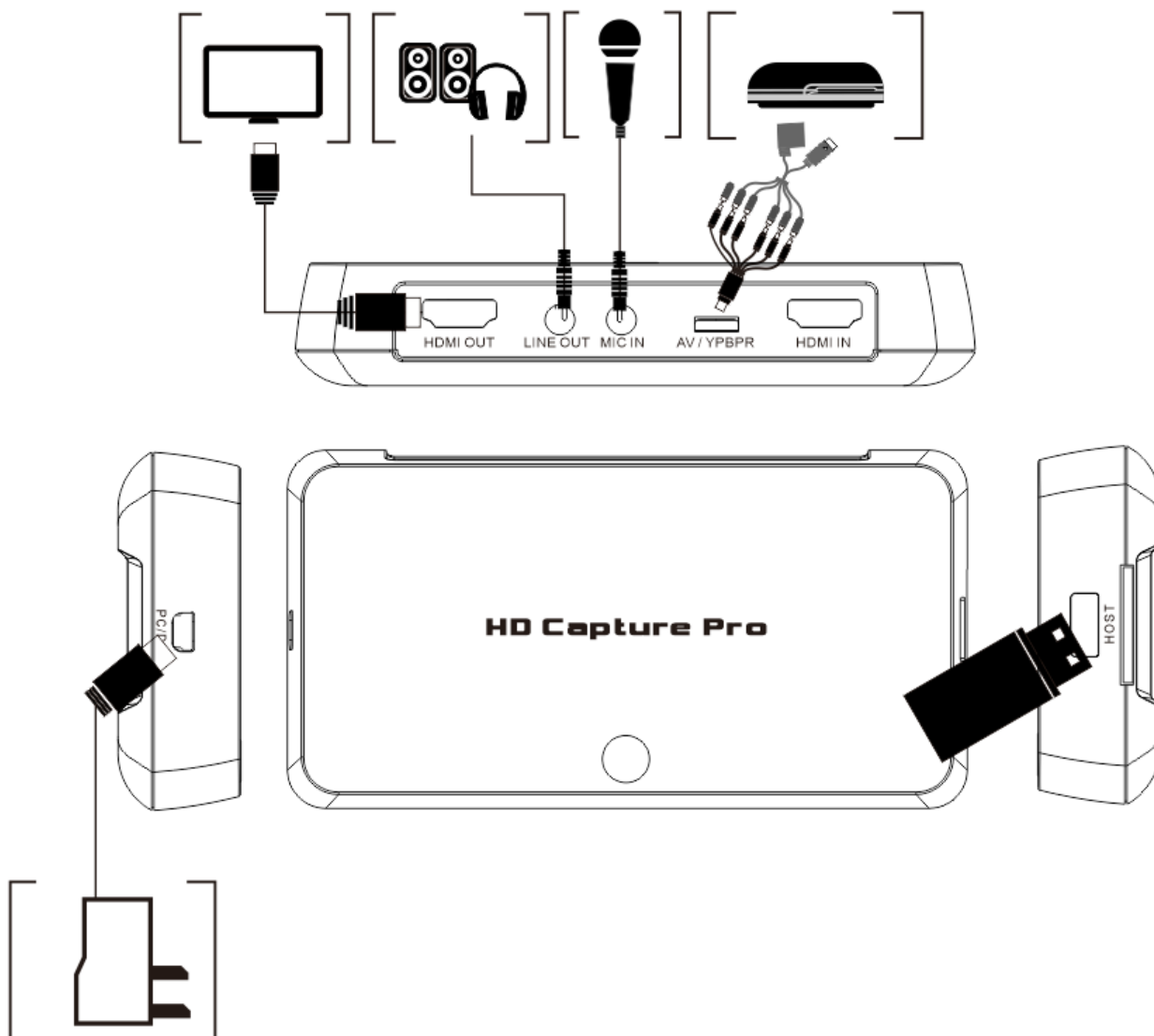
Ezcap295 有三种视频输入模式: HDMI, 色差分量和 AV(CVBS), 设备可以自动识别输入的视频源。不建议同时连接两种或三种视频源。

连接 HDMI 输入视频源:



- 1, 连接配备的电源至 PC/DC 接口。
- 2, 插入 U 盘或 USB 移动硬盘至 HOST 接口。
- 3, 用 HDMI 线连接 HDMI 视频源和设备的 HDMI IN 接口, 比如游戏机、机顶盒等, HDMI 线材需自行购买。
- 4, 用 HDMI 线连接设备的 HDMI OUT 接口和电视机或显示器的 HDMI 输入接口, 同样 HDMI 线材需自行购买。
- 5, “LINE OUT” 音频线路输出接口可以连接耳机或音响系统, 如果没有必要则无需连接, 因为设备的 HDMI OUT 连接至电视机同样有音频输出。
- 6, 如果你需要录制麦克风与视频一起, 则将麦克风连接至“MIC IN”接口, 如果没有不要则无需连接。

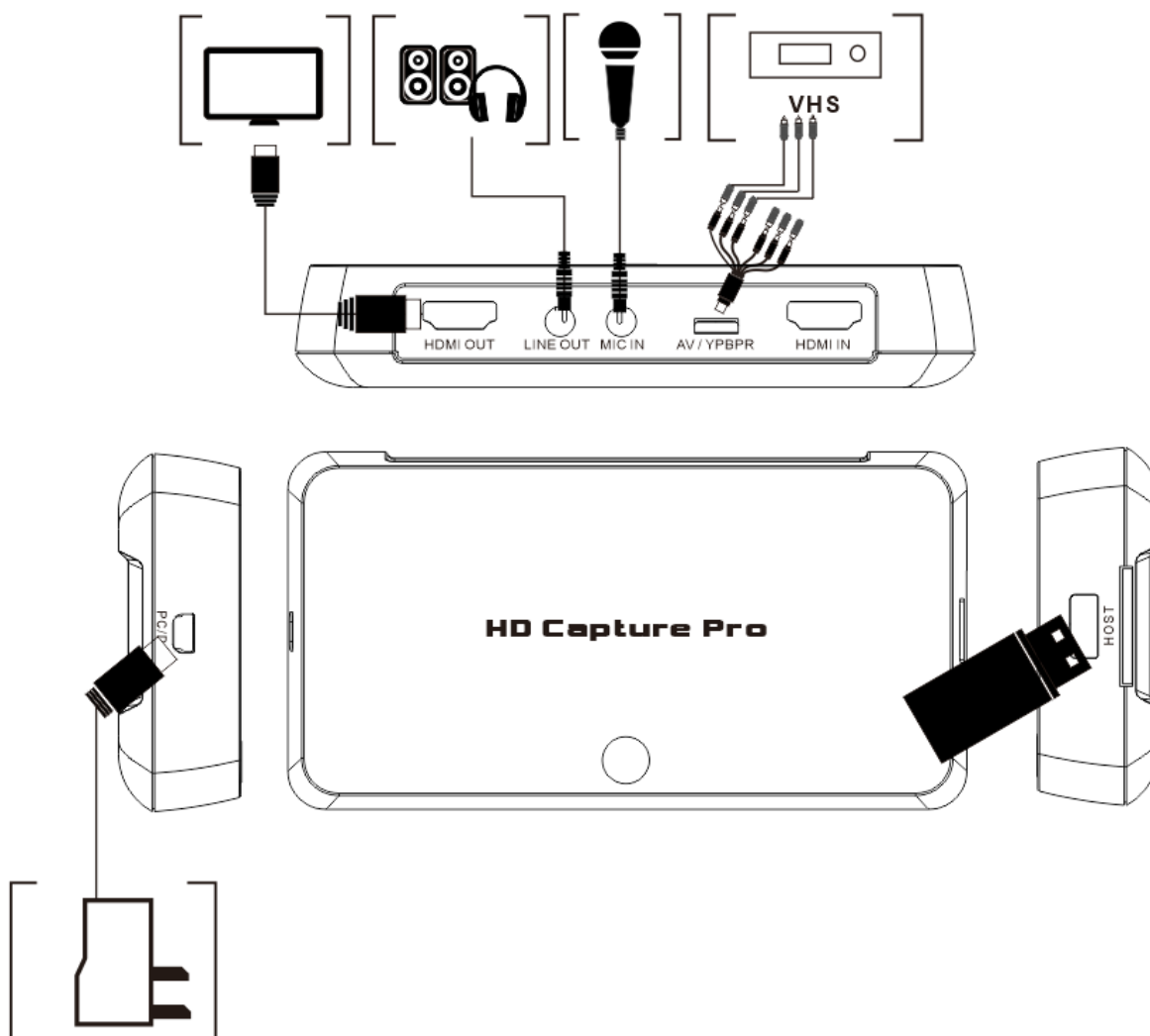
连接色差分量视频源 (比如 DVD、PS3 等):



1, 用包装内专配的视频转接线(红、蓝、绿为色差分量视频, 一起的红白为音频左右声道)连接设备的 AV IN 接口和视频源的色差分量输出接口。

2, 别的连接同上述 HDMI 视频源连接。

连接 AV 视频源(比如摄像机、VHS、V8 等):



1, 用包装内专配的视频转接线(黄色为 AV 视频, 一起的红白为音频左右声道)连接设备的 AV IN 接口和视频源的 AV(CVBS)输出接口。

2, 别的连接同上述 HDMI 视频源连接。


录制采集:

ezcap295 高清视频采集专业版接上电源, 设备会默认预览模式(录制模式), 绿灯常亮。

完成上述所有的连接后, 显示器一定会显示输入的视频影像, 如果显示屏显示“No Signal”则表示没有视频源输入。

录制视频非常简单 — 按下设备上的录制按键或遥控器上的录制按键, 你将会看到指示灯变红, 同时显示屏左上角会出现一下红色的录制图标然后会消失, 则表示设备在录制视频中。再次按下设备的录制按键或遥控器的停止按键, 则设备会停止录制, 指示灯会闪烁几下并变为绿色常亮。

使用遥控器上  抓图按键, 你可以实现抓图功能, 但是这个功能仅仅在不录制期间有效。

使用遥控器  左右键来调节音量大小。

如果你连接了麦克风来录制评论, 你还可以使用遥控器  上下键来调节麦克风音量大小。

使用遥控器的 720P/1080P/PC 键来切换输出和录制的视频分辨率。PC 对应的分辨率为 1366 * 768。

使用遥控器的 4:3/16:9 键切换视频比例。

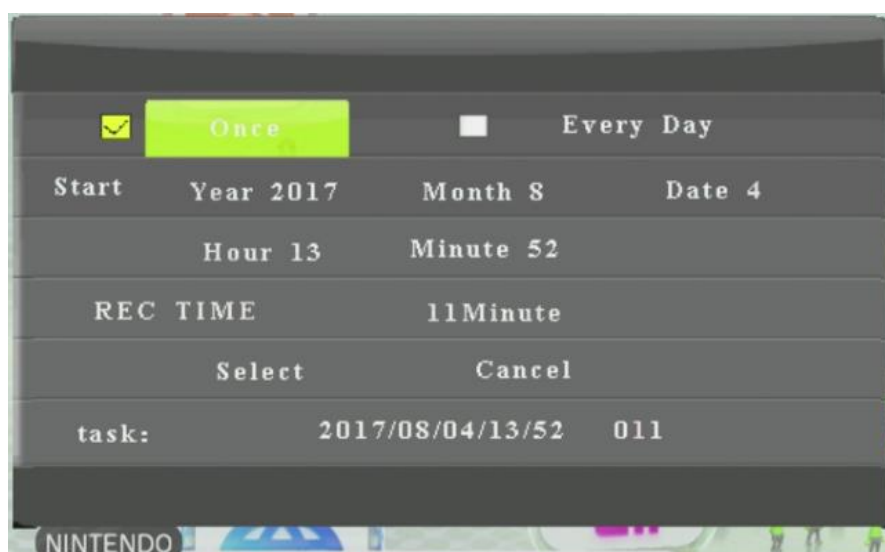
使用遥控器的 WATERMARK 键增加时间水印，录制文件左上方则会显示时间水印，再次按下则时间水印会消失。

因为一些原因可能会导致无法录制，你可以确认一下这些情形：

- 1, 没有连接好输入视频源。
- 2, U 盘没有足够容量。
- 3, U 盘格式不符合，比如 exFAT。ezcap295 支持 FAT、FAT32 和 NTFS。
- 4, U 盘没有连接好。
- 5, U 盘还没有准备好，通常插上 U 盘需要等待 4~8 秒时间。

预约录影:

按下遥控器 “SCH REC” 键，可以设置预约录影。



设定好时间后，需要点击“select”来完成设置。

设定录制视频质量和是否分段:

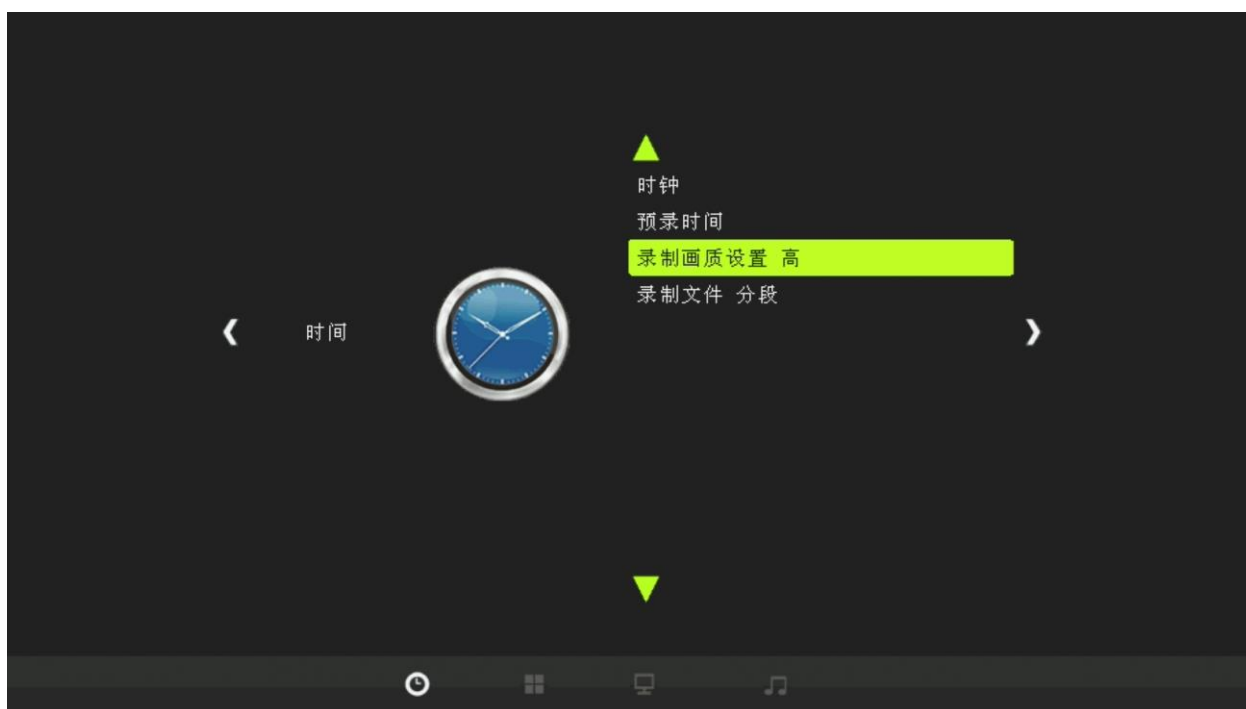
按下遥控器的 “MENU” 菜单键进入如下菜单界面，按上下导航键选择需要设定的子菜单。

“Clock” 用于设定系统时间。

“REC SCHEDULE” 用于设定预约录影 (与之前预约录影的描述一致)。

“REC Video Quality” 用于设定录制视频质量，高表示 16Mbps，中表示 10Mbps，低表示 4Mbps。

“RECORD_FILE” 用于设定录制的文件是否分割为每 1.95G 一个文件，或者不分段仅仅一个文件。SPLIT 表示录制文件会被分割，而 NO_SPLIT(NTFS) 表示不分段，不分段仅仅会 NTFS 格式的 U 盘或移动硬盘有效。

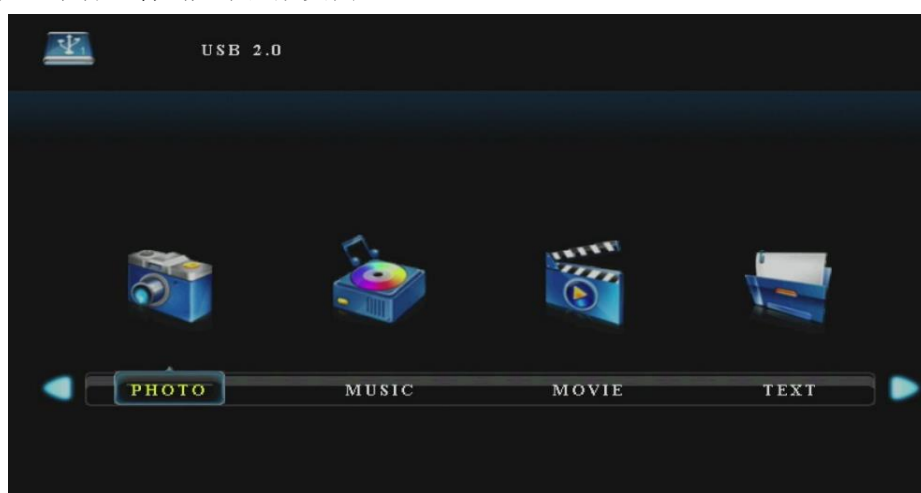


注意: 录制期间，或停止录制后但是指示灯还在闪烁时，请勿拔出 U 盘，否则可能会损坏或丢失录制文件。

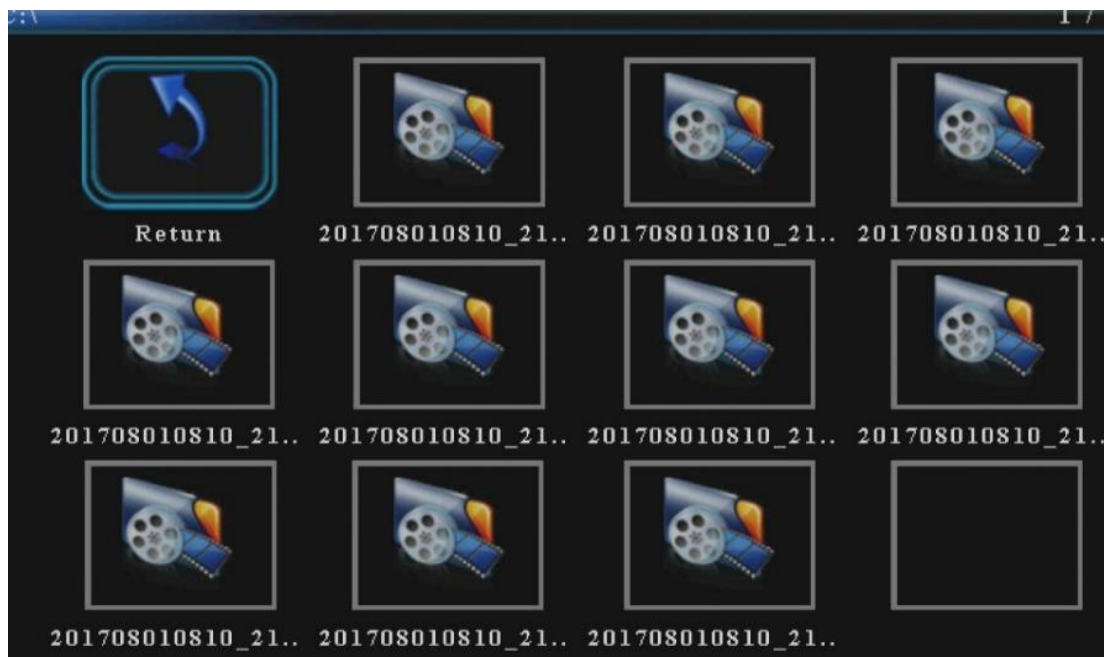
一些时候你可能会发现一些录制文件有问题，那可能是因为你使用 NTFS 格式的 U 盘造成的。其主要原因在于你从电脑上拔出 U 盘前没有使用安全退出后拔出 U 盘，而是直接将 U 盘拔出。因此请使用安全模式退出电脑，或将 U 盘格式为 FAT32 使用。


回放:

录制后你或许想确认录制文件，请使用设备的回放功能。按下遥控器的“PLAYBACK”键进入回放模式，你将会在显示屏上看到如下回放页面。

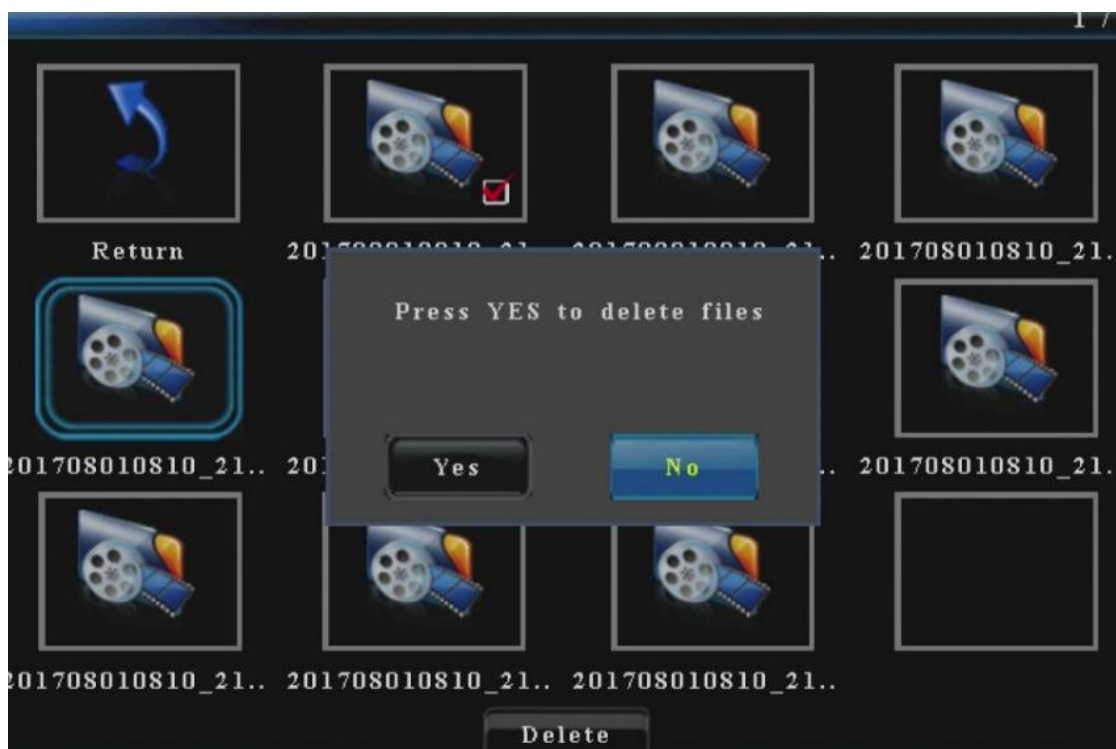


导航键选择 PHOTO 并按 OK 确认以播放抓图的照片文件，或选择 MOVIE 并按 OK 确认以播放录制的视频文件：



用遥控器导航键选择需要回放的录制文件，按下  播放键开始回放视频文件。

你还可以使用遥控器的“DELETE”键来删除你不想要的文件。先用导航键指定到需要删除的文件，按 OK 键确认选定该文件，按下 DELETE 键会出现如下提示，选择 Yes 删除该文件。

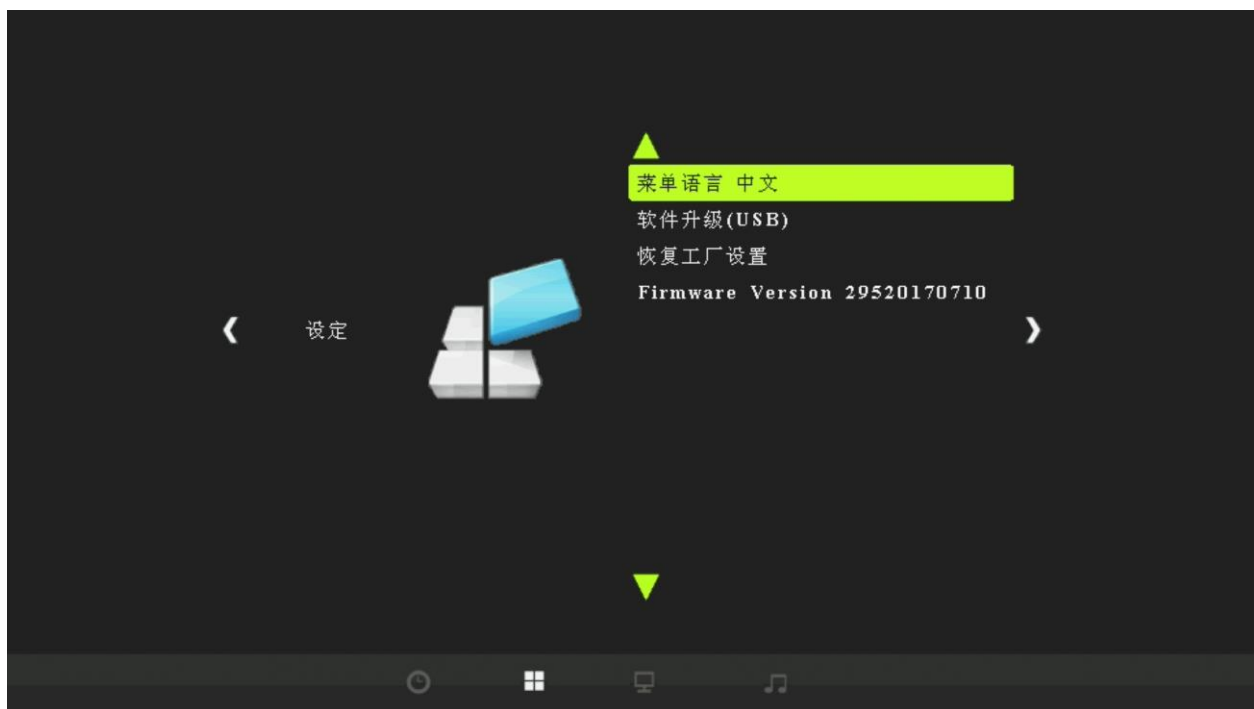


你还可以使用      这些遥控器功能键来实现通常播放器的

快退、快进、上一个、播放/暂停、下一个这些常用功能。

其它设定:

按下遥控器的“MENU”键进入菜单操作，通过导航键来选择你需要设定的项目。
设定菜单语言。



图像模式。



声音模式。

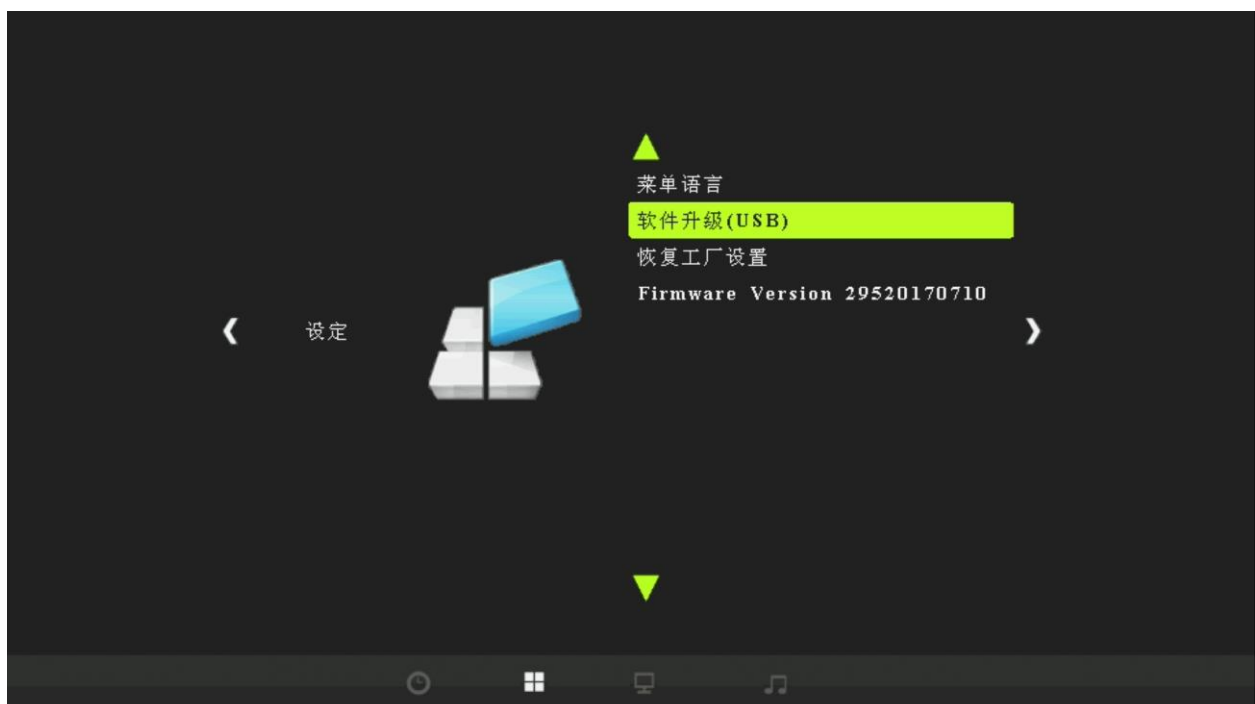


固件程序和其它:

注意: 该设备包括两部分 – 录制部分 和 回放部分, 这两部分的固件程序升级是分开进行的。

1, 更新录制部分的固件程序: 复制固件程序文件(一般文件格式为 **jedi.img**)至 U 盘, 断开电源, 插上 U 盘, 连接电源, 此时红色指示灯会闪烁 7~8 秒后回到绿色常亮, 表示升级完成, 此时如果用 U 盘插上电脑, 会发现刚刚复制的文件消失了, 这同样表示升级成功。

2, 更新回放部分的固件程序: 复制固件程序文件(一般文件格式为 **MERGE.bin**)至 U 盘, 将 U 盘插上设备, 按遥控器的 “MENU”键和导航键选择“软件升级(USB)”, 并按下 OK 键和左方向键升级。升级后请重新插拔电源。



OBS 使用说明

ezcap 系列高清视频录制盒除了能独立录制高清视频外，还可以配合 OBS 软件，在电脑上采集和直播视频。请先下载驱动，说明和 OBS 软件，并按照说明操作即可。

驱动: www.ezcap.com.cn/uploads/download/ezcap284driver.zip

OBS: <https://obsproject.com/download>

规格参数:

接口界面

接口	USB 2.0 Host
视频输入	数字: HDMI
	模拟: 色差分量, AV 视频(CVBS)
音频输入	数字: HDMI
	模拟: 3.5 毫米麦克风输入, 模拟 RCA 左右声道输入.
视频输出	数字: HDMI (从 HDMI、色差分量或 AV 视频输入的环出)
音频输出	数字: HDMI (从 HDMI、RCA 左右声道和 3.5 毫米麦克风输入的环出)
	模拟: 3.5 毫米左右声道线路输出(从 HDMI、RCA 左右声道和 3.5 毫米麦克风输入的环出)

应用场景

HDMI	工业高清相机, 高清医疗内窥镜, 高清机顶盒, 游戏机等
色差分量	游戏机, 机顶盒等
AV 视频(CVBS)	工业摄像机, 医疗内窥镜等

硬件规格

编码器	H.264 硬件编码
操作界面	录制按键
	工作状态指示灯

	红外遥控器接收
尺寸	142(长) × 73(宽) × 26(高) 毫米
重量	110 克

包装内容

设备	ezcap295 高清视频采集盒增强版
配件	5V 直流电源, 遥控器, 视频转接线, 说明书

标准

存储媒介	U 盘, USB 移动硬盘
	最大容量: USB / 2T
	注: 不支持 exFAT 格式
分辨率	输入: 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), 3840 x 2160(30p)
	采集 / 环出: 1280 x 720p(60p), 1366*768 (60p), 1920 x 1080 (30p)
录制格式	视频: MP4, 音频: AAC Stereo
录制质量	最佳: 16Mbps@1080P 30fps
录制文件	分段: 最大 1.95GB / 文件
录制空间	最大: 140MB / 分钟, 8GB / 小时
电源适配器	迷你 USB 直流 5 伏 / 2 安