

# Meicheng<sup>®</sup>

## HVR-7200

Quick-easy IV High Definition Video Recorder



[www.meicheng.com.tw](http://www.meicheng.com.tw)

# SAFETY PRECAUTIONS

Before using HVR-7200 HD Video Capture Pro, please ensure that you read and understand the safety precautions below :

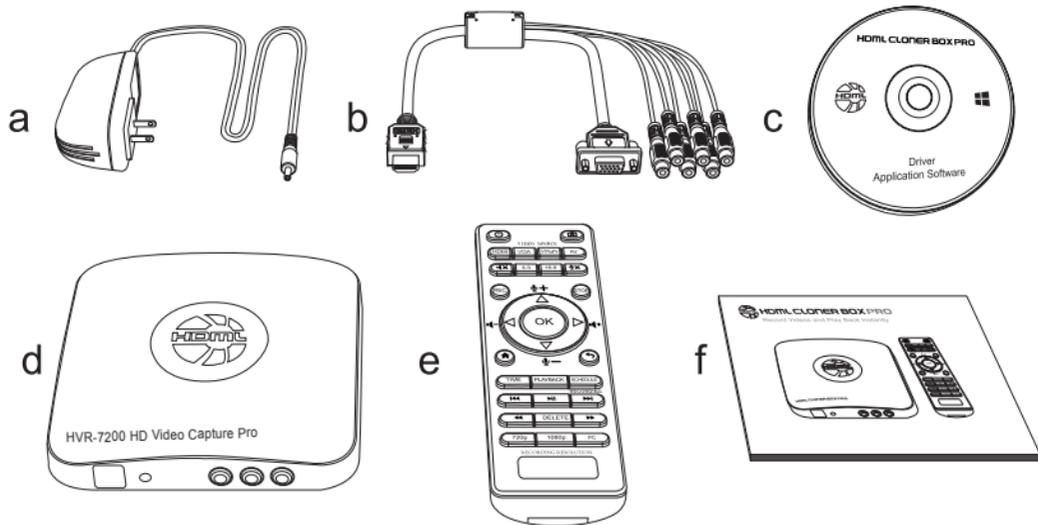
1. Do not attempt to open the case of HVR-7200 HD Video Capture Pro or modify it in any way, as this will void the warranty.
2. Keep HVR-7200 HD Video Capture Pro away from water and other liquids, as this may cause the unit to malfunction.
3. HVR-7200 HD Video Capture Pro may become warm during use. This does not indicate malfunction.
4. Do not place heavy objects on HVR-7200 HD Video Capture Pro, as this may cause the unit to overheat and malfunction.
5. If the exterior of HVR-7200 HD Video Capture Pro requires cleaning, wipe it with a soft dry cloth.
6. Do not dispose of the unit via conventional domestic waste.

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# BOX CONTENTS



**a. Power Adapter**

**c. Installation CD**

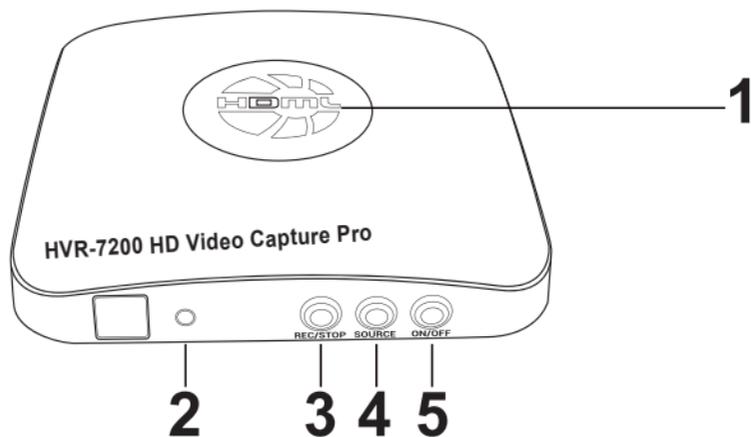
**e. Remote Control**

**b. MMI Cable**

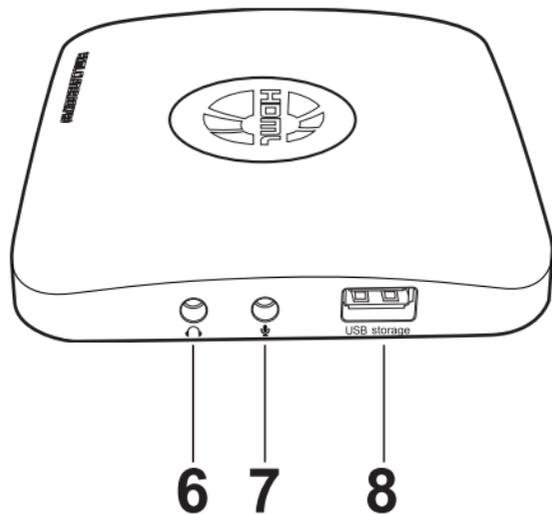
**d. HVR-7200 HD Video Capture Pro**

**f. User Manual**

# PRODUCT DIAGRAM



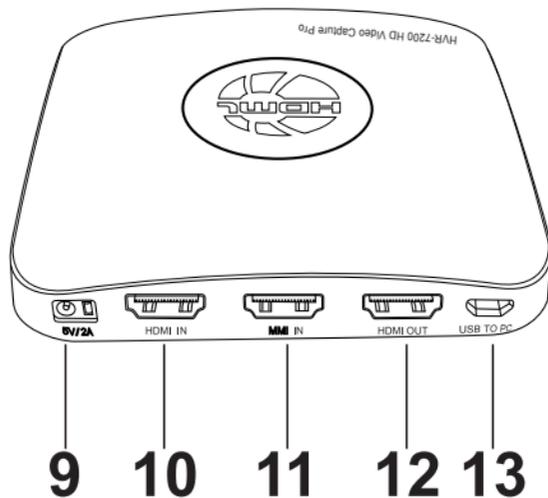
1. LED indicator light for recording. Blue means HVR-7200 HD Video Capture Pro is recording videos in 1080p, while Green means it is recording videos in 720p or others.
2. When this light is on, it means HVR-7200 HD Video Capture Pro is turned on.
3. REC/STOP: Press this button to start/stop recording.
4. SOURCE: Input signal button. HDMI, VGA, YPbPr and AV are available.
5. ON/OFF: Press and hold this button for a few seconds to power on/power off.



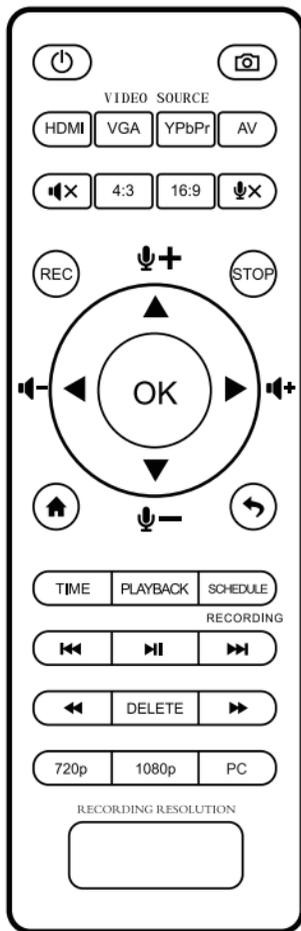
6. Audio output interface.

7. MIC input interface.

8. USB storage: The interface which the USB storage device is plugged into.



- 9. 5V/2A: Power adapter interface.
- 10. HDMI IN: HDMI input interface.
- 11. MMI IN:VGA/AV/YPbPr/Audio L/R cable interface.
- 12. HDMI OUT: HDMI output interface.
- 13. USB TO PC: USB interface for connecting the computer. This function must be realized together with HVR-7200 HD Video Capture Pro Helper.



: Power on/Power off.

: Capture an image.

: Select HDMI as the input signal.

: Select VGA as the input signal.

: Select YPbPr as the input signal.

: Select AV as the input signal.

: Mute

: Switch to the aspect ratio of 4:3.

: Switch to the aspect ratio of 16:9.

: Microphone mute.

: Start recording.

: Stop recording.

: OK button.

: Adjust the volume of the source video.

: Adjust the volume of MIC input.

: Show the main menu.

: Back to the previous interface.

: Set the system time by year, month, day, hour, minute and second.

: Play back the contents in the USB storage device.

: Set the Start Time and Stop Time manually during which videos will be recorded automatically.

: Back to the previous page.

: Play or stop playing.

: Go to the next page.

: Fast backward

: Delete the recorded video.

: Fast forward

: Set the output resolution to 720p.

: Set the output resolution to 1080p.

: Select the output resolution for PC, including 1920x1080, 1280x720 and 720x480.

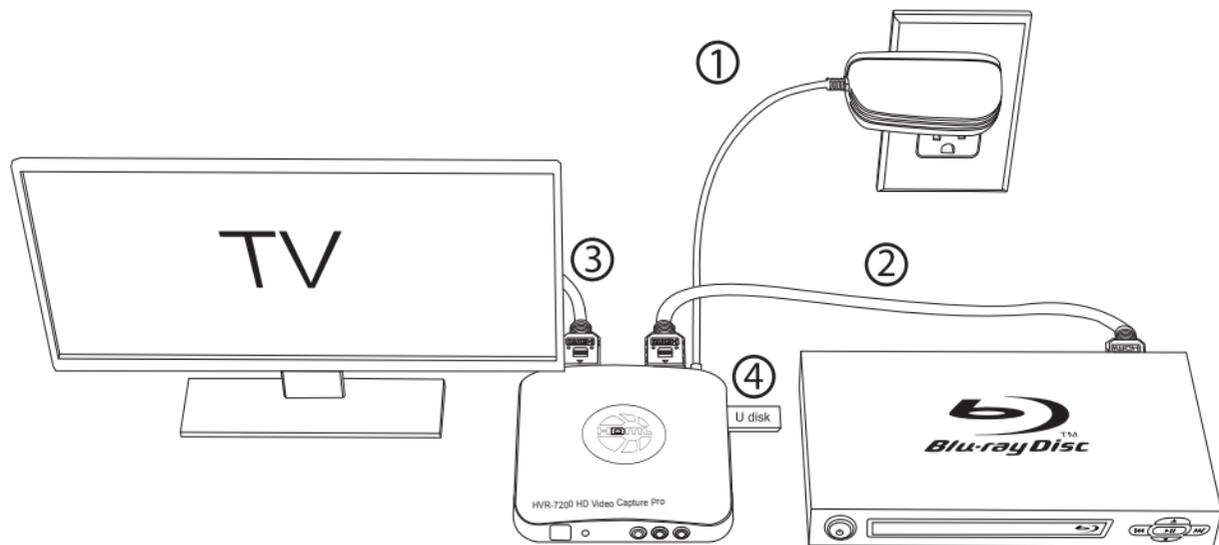
# HOW TO RECORD VIDEOS TO THE USB STORAGE DEVICE

## 1. Install

- (1) Plug the power adapter into the power socket and plug the other end into the 5V/2A port of HVR-7200 HD Video Capture Pro.
- (2) Connect the input device (PS3, PS4, Blu-ray player, etc) to HDMI IN on HVR-7200 HD Video Capture Pro via an HDMI cable.

**Note : If you want to connect devices via the VGA/AV/YPbPr/Audio L/R cable, please connect the input device to MMI IN port on**

- (3) Connect HVR-7200 HD Video Capture Pro from HDMI OUT to TV via an HDMI cable.
- (4) Plug the USB storage device into the USB port of HVR-7200 HD Video Capture Pro



## **2. Record/Capture**

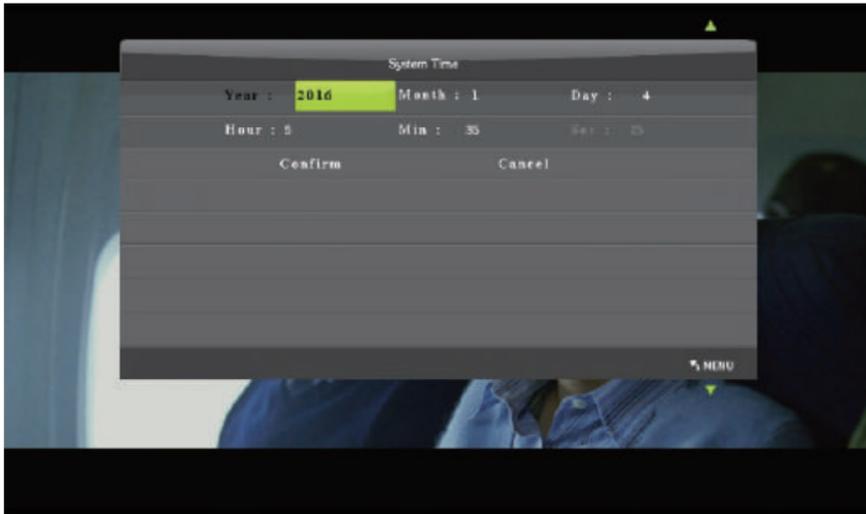
- (1) After all devices are connected properly, please switch on the power of HVR-7200 HD Video Capture Pro.
- (2) Insert a video disc into the drive of the input device and play the video.
- (3) Press the REC/STOP button on the capture box or press the REC button on the remote control to start recording.
- (4) After recording for a period of time, press the REC/STOP button again on the capture box or press the STOP button on the remote control to stop recording.

### **NOTE:**

**HVR-7200 HD Video Capture Pro can also prerecord videos at the scheduled time.**

**After connecting devices properly, follow the steps below :**

- (1) Press the TIME button on the remote control. Set the system time by using the four buttons of volume control on the remote control. After setting, select Confirm and then OK to save the setting.



(2) Press the SCHEDULE button on the remote control. Set the Start Time and Stop Time by using the four buttons of volume control on the remote control. After setting, select Confirm and then OK to save the setting.



(3) After finishing the setup, press the menu button on the remote control and return to the playback interface. Then HVR-7200 HD Video Capture Pro will record videos automatically during the scheduled time period.

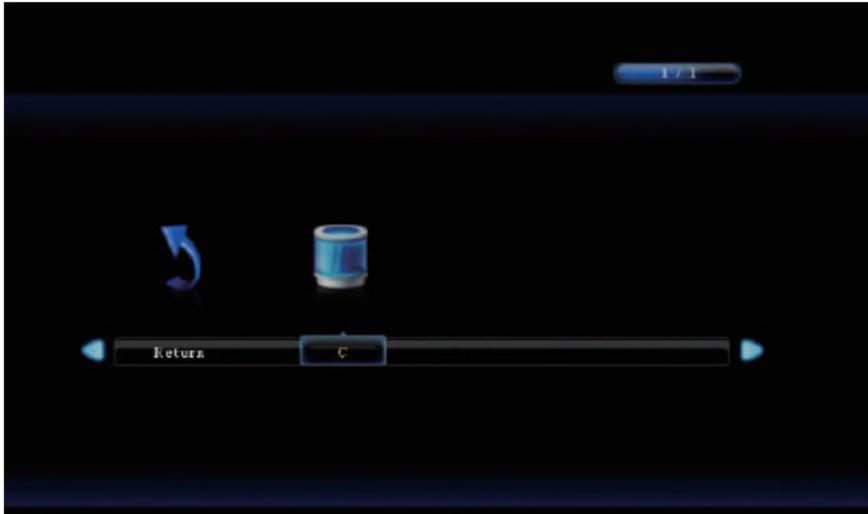
### 3. Playback

- (1) After all devices are connected properly, plug the USB storage device into HVR-7200 HD Video Capture Pro. and press the PLAYBACK button on the remote control to enter the playback menu interface.

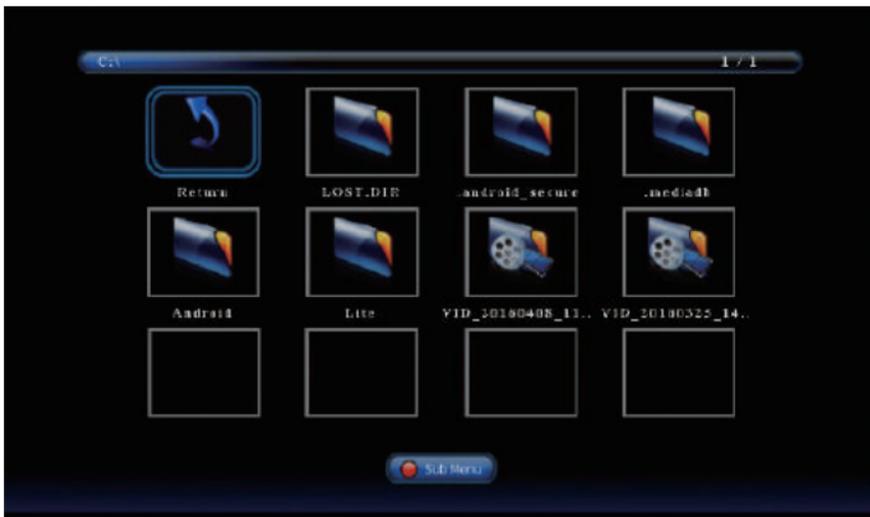


There are four categories, which are PHOTO, MUSIC, FILM and TEXT.

(2) Select one category and press OK to go to the next step. Then you can select a partition.



(3) You will see the file list.



Select your desired file by using the four buttons of volume control on the remote control. You can preview the files and press OK to select multiple files.



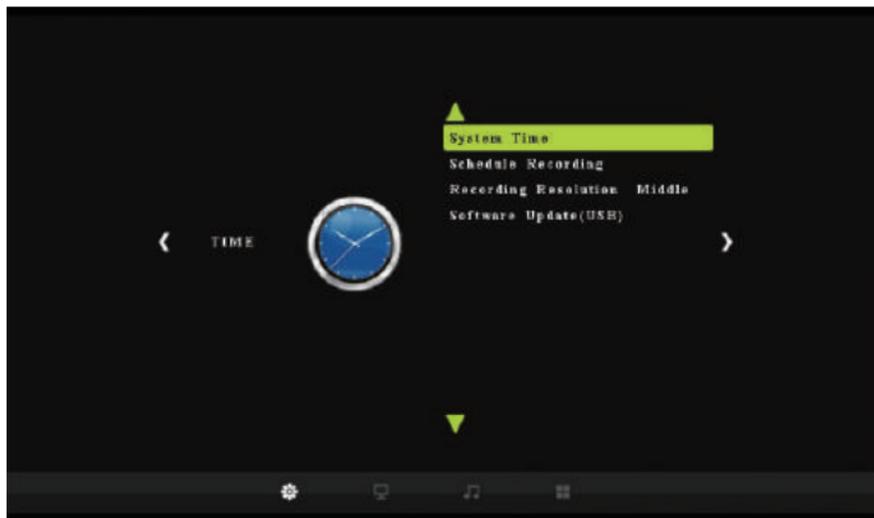
(4) Press  on the remote control to play the selected video(s).



## 4. Setup

Press  on the remote control to browse the menu settings of HVR-7200 HD Video Capture Pro, which are TIME, PICTURE, SOUND and OPTION.

Under the TIME column, there are four aspects: System Time, Schedule Recording, Recording Resolution and Software Update.



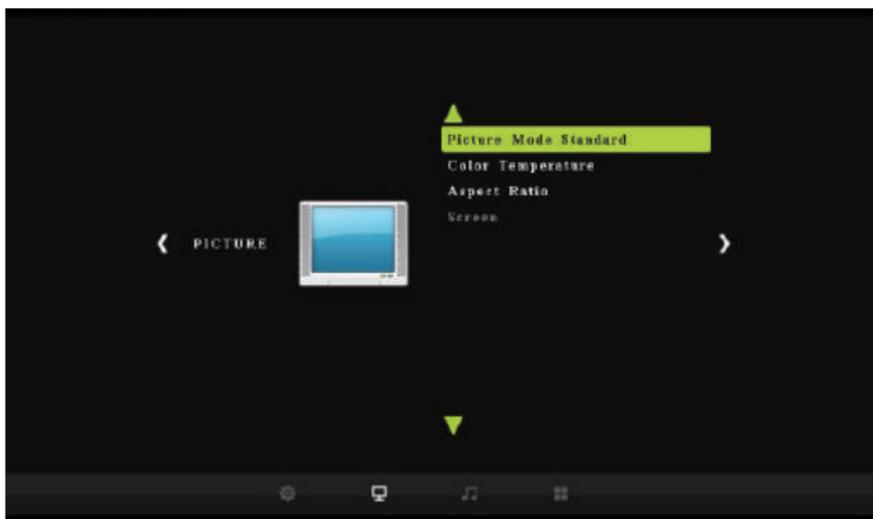
**System Time:** Set the time of HVR-7200 HD Video Capture Pro by year, month, day, hour, minute and second.

**Schedule Recording:** Set the Start Time and Stop Time during which videos will be recorded automatically.

**Recording Resolution:** Set the recording resolution. High, Middle and Low are available.

**Software Update:** Upgrade the firmware when there is a new version available. You need to plug the USB storage device into HVR-7200 HD Video Capture Pro.

Under the PICTURE column, there are three aspects: Picture Mode, Color Temperature and Aspect Ratio.

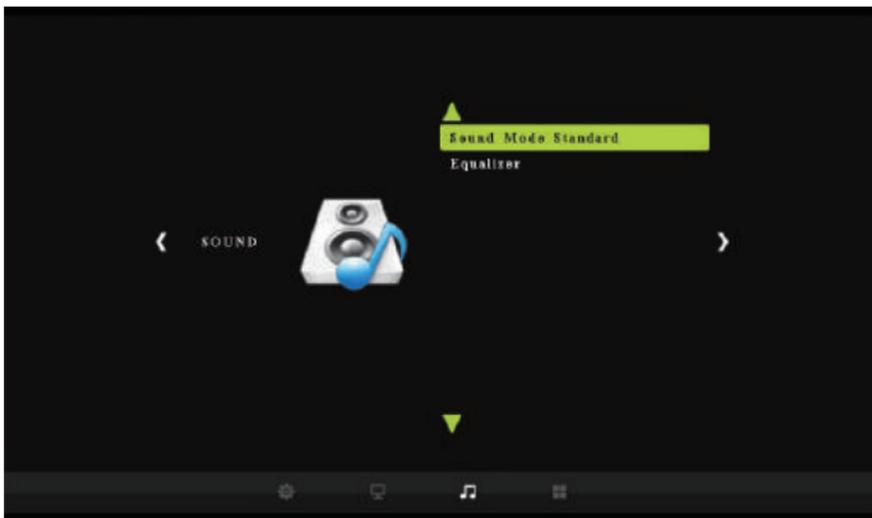


**Picture Mode:** Mild, User, Dynamic and Standard are available.

**Color Temperature:** Medium, Warm, User and Cool are available.

**Aspect Ratio:** Auto, 4:3, 16:9, Zoom 1, Zoom 2 and Just Scan are available. The default state is 16:9.

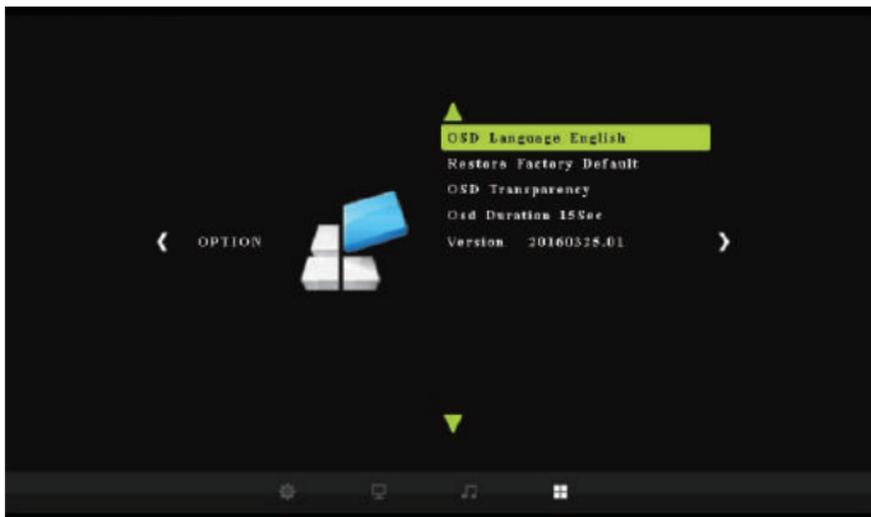
Under the SOUND column, there are two aspects: Sound Mode and Equalizer.



**Sound Mode:** Standard, Music, Movie, Sports and User are available.

**Equalizer:** 120 Hz, 500 Hz, 1.5 KHz, 5 KHz and 10 KHz are available.

Under the OPTION column, there are five aspects: OSD Language, Restore Factory Default, OSD Transparency, OSD Duration and Version.



**OSD Language:** Set the language to be displayed on the menu. English, Japanese, Simplified Chinese and Traditional Chinese are available.

**Restore Factory Default:** Restore the factory settings.

**OSD Transparency:** Set the transparency of the menu. High, Middle, Low and OFF are available.

**OSD Duration:** Set the duration of menu display. 5s, 10s, 15s and OFF are available.

**Version:** Shows the current version info.

# HOW TO RECORD VIDEOS TO PC

## 1. Obtain HVR-7200 HD Video Capture Pro Helper

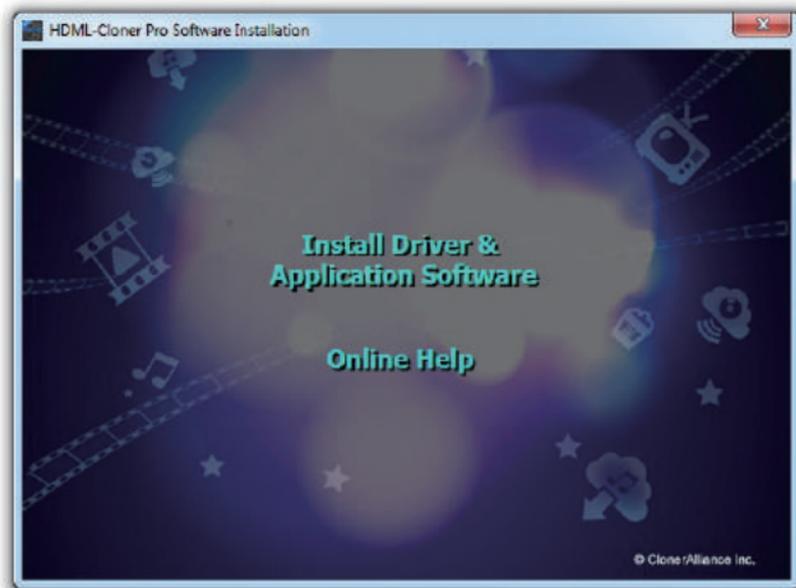
There are two methods to obtain HVR-7200 HD Video Capture Pro Helper. One is to install it from the installation CD, while the other is to contact with Meicheng to get it from us.

**Note: Prior to installing HVR-7200 HD Video Capture Pro Helper, please make sure you are using Windows Vista or later versions and your PC is equipped with USB 2.0 or 3.0 port.**

## 2. Install

(1) Install HVR-7200 HD Video Capture Pro Helper

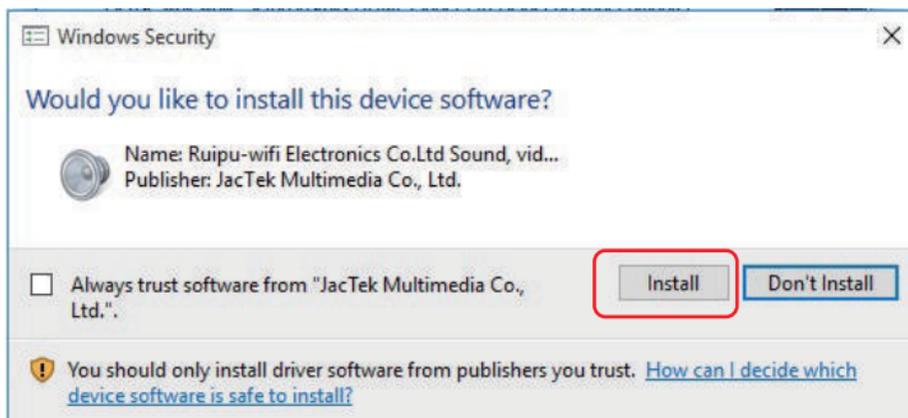
1. Put the installation CD into the PC drive and the setup window will pop up as below:



2. Click "Install Driver & Application Software" and the setup wizard window will pop up. Click Next-Next-Next-Next-Next-Install-Yes, restart the computer now-Finish.

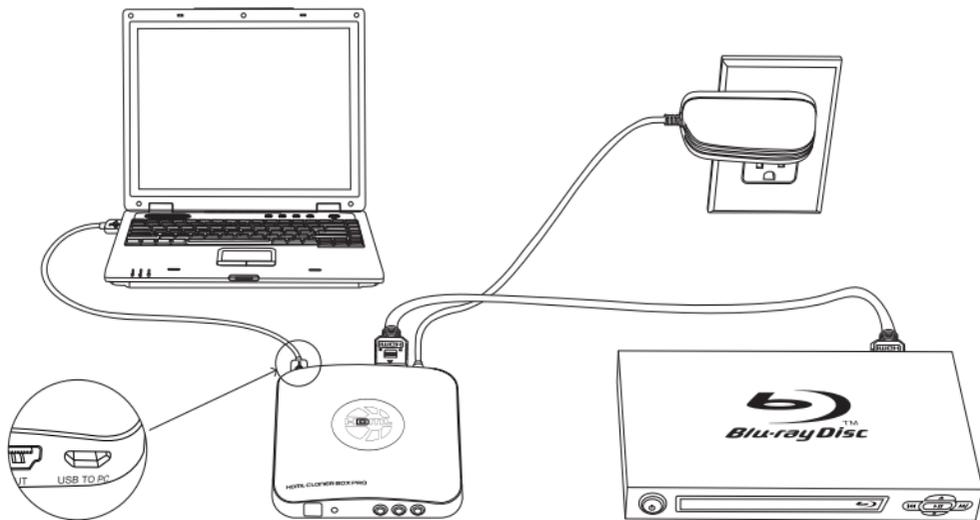


**Note: During the software installation, a driver needs to be installed as well. When there is a prompt popped up as below, please click "Install".**

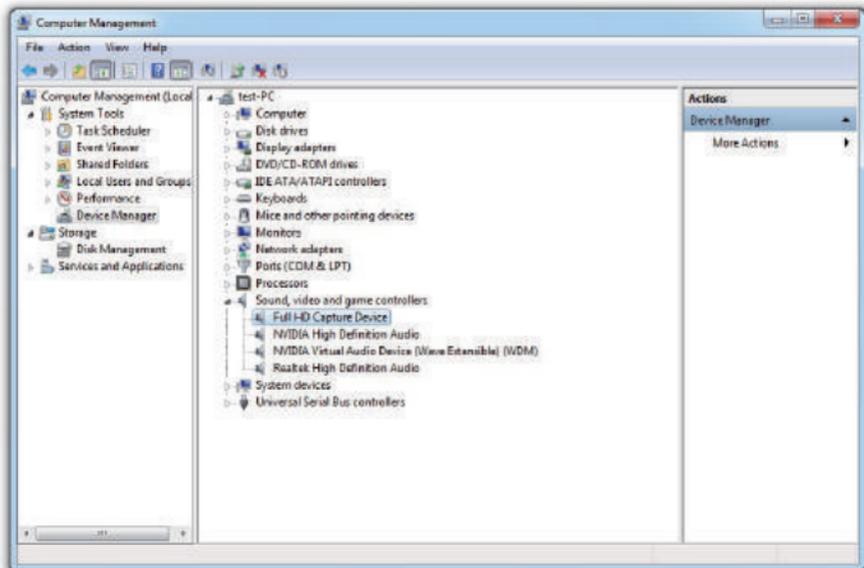


## (2) Connect HVR-7200 HD Video Capture Pro with other devices

1. Plug the power adapter into the power socket and plug the other end into the 5V/2A port of HVR-7200 HD Video Capture Pro.
2. Connect the input device (PS3, PS4, Blu-ray player, etc) to HDMI IN on HVR-7200 HD Video Capture Pro via an HDMI cable.
3. Connect the USB cable of the phone between the USB to PC port of HVR-7200 HD Video Capture Pro and the USB port of PC.



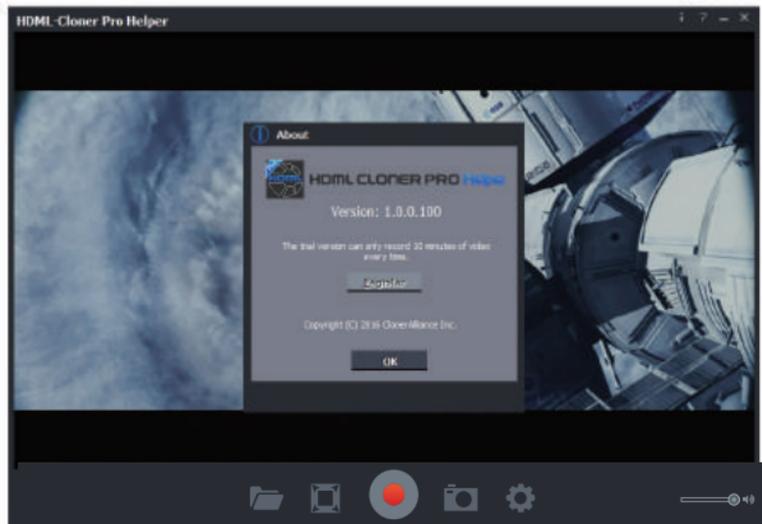
After all devices have been connected properly, switch on the power of HVR-7200 HD Video Capture Pro. The system will prompt "Found a new hardware" and install the driver automatically. Please make sure "Full HD Capture Device" is installed successfully and appears in the Device Manager (Right click My Computer – Manage – System Tools – Device Manager). If "Full HD Capture Device" doesn't appear in the list, please reinstall HVR-7200 HD Video Capture Pro Helper and try again.

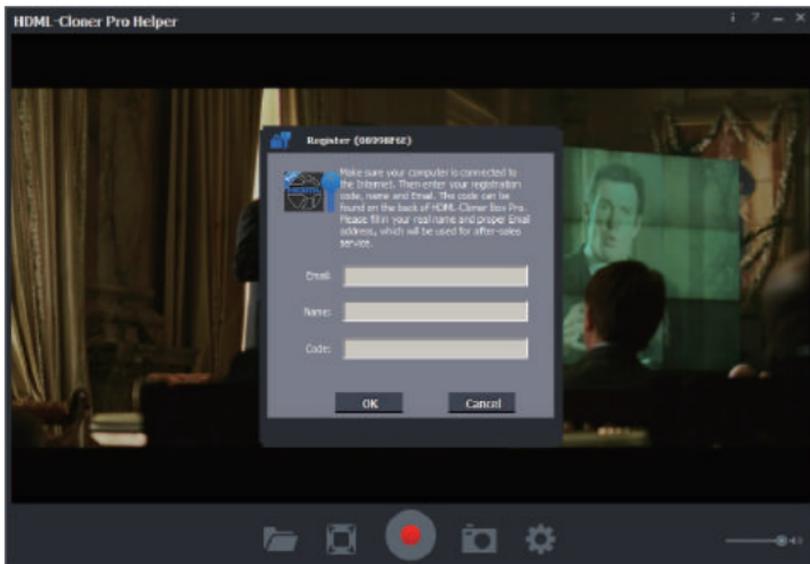


### 3. Register

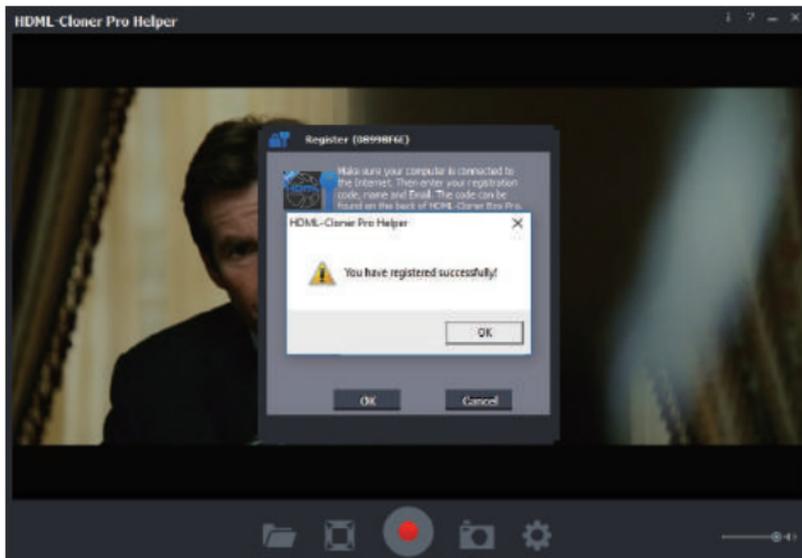
Please register HVR-7200 HD Video Capture Pro Helper first before using, otherwise it can only record 10 minutes of video.

Run HVR-7200 HD Video Capture Pro Helper. Click  on the main interface to open the "About" window. Then click on the "Register" button to open the "Register" window.



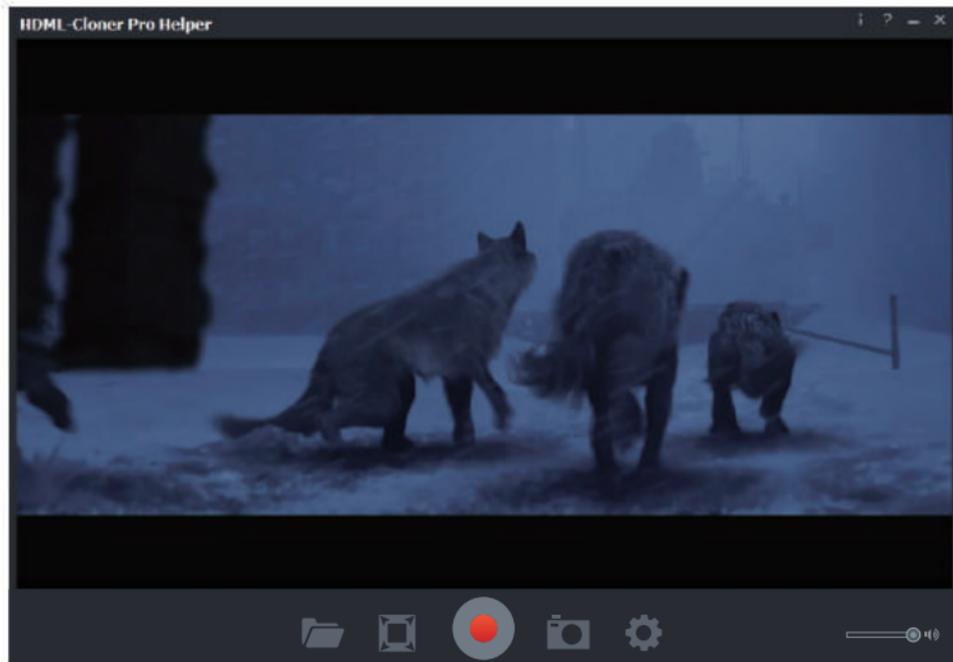


Fill in your proper Email address, real name and code (The code can be found in the bar code on HVR-7200 HD Video Capture Pro). Then click on "OK" to finish the registration.



#### 4. Record/Capture

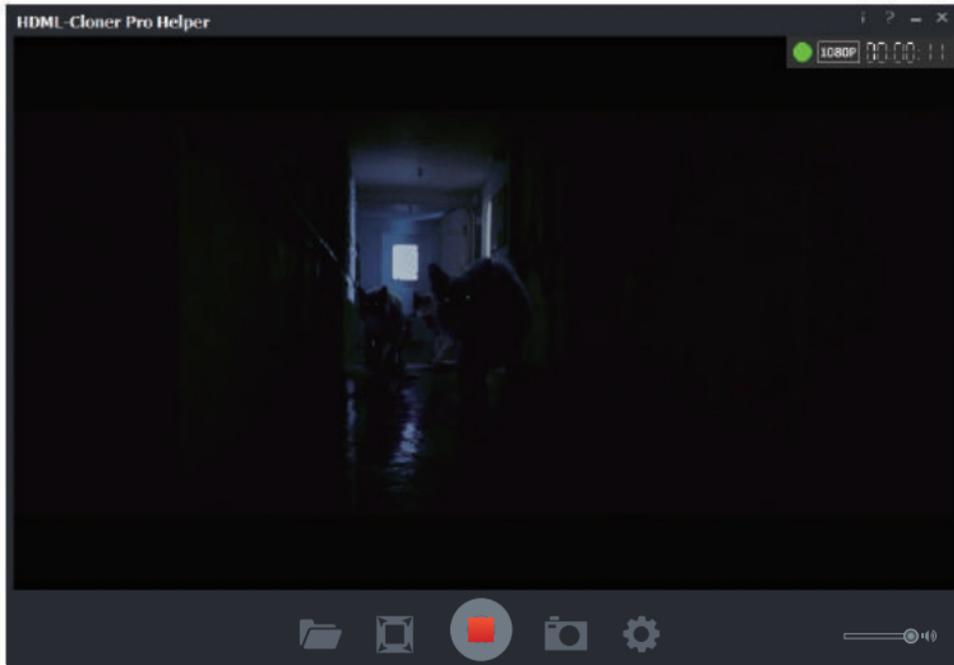
- (1) After all devices are connected properly, insert the video disc into the drive of the input device and run HVR-7200 HD Video Capture Pro Helper.



(2) Click on



to start recording.



(3) Click on



to stop recording. Then click on

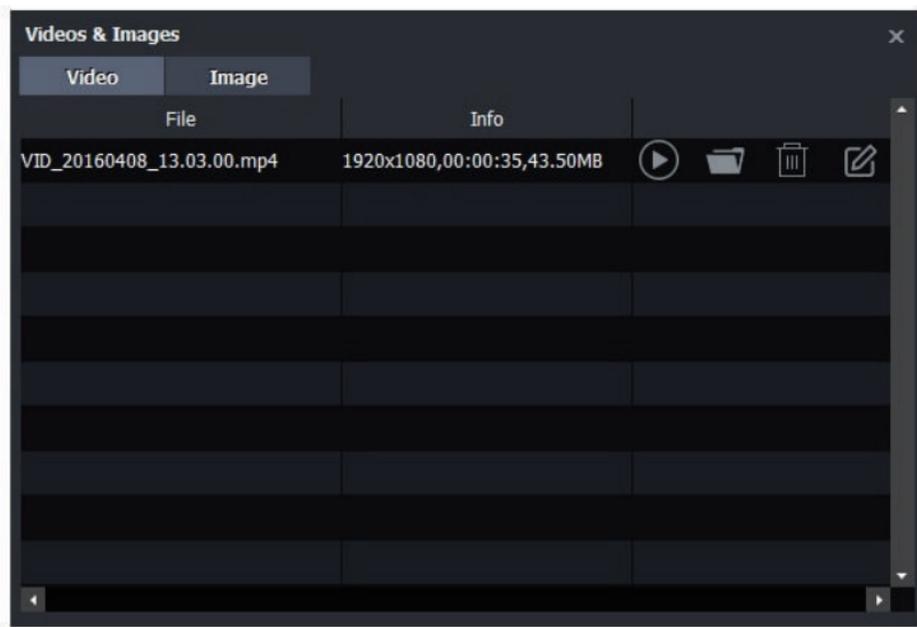


to view the recorded video.

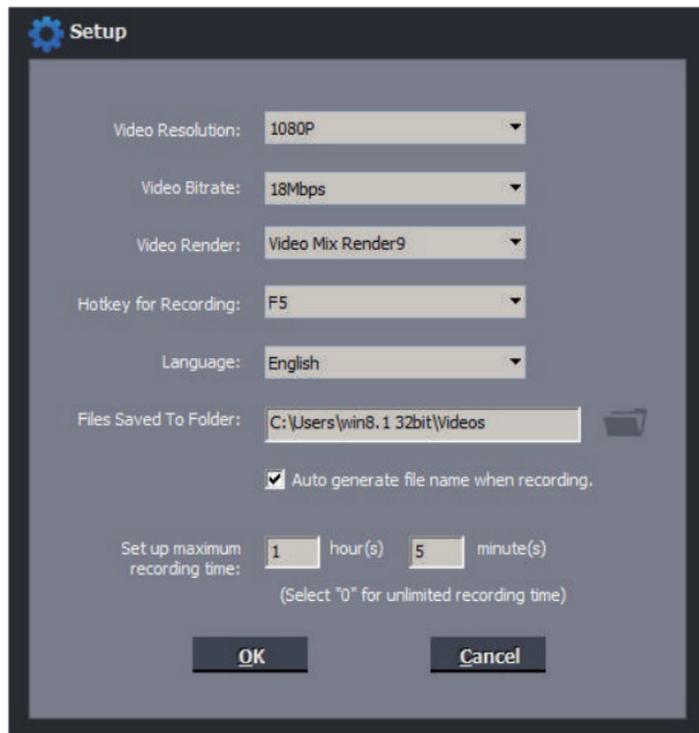
You can click on



to play back the recorded video.



## 5. Setup



The screenshot shows a 'Setup' dialog box with a gear icon in the top-left corner. The dialog is titled 'Setup' and contains several configuration options:

- Video Resolution:** 1080P
- Video Bitrate:** 18Mbps
- Video Render:** Video Mix Render9
- Hotkey for Recording:** F5
- Language:** English
- Files Saved To Folder:** C:\Users\win8.1 32bit\Videos (with a folder icon to the right)
- Auto generate file name when recording.
- Set up maximum recording time:** 1 hour(s) 5 minute(s). Below this, it says '(Select "0" for unlimited recording time)'. The '1' and '5' are in input boxes.

At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

**Video Resolution:** Set the output video resolution. 1080p, 720p and 480p are available.

**Video Bitrate:** 6Mbps, 8Mbps, 10Mbps, 12Mbps, 15Mbps and 18Mbps are available.

**Video Render:** Define the video render. Video Mix Render9 and Internal YUV Render are available.

**Hotkey for Recording:** Set the hotkey for starting and stopping recording videos.

**Language:** Set the language to be displayed on the interface. English, Japanese, Simplified Chinese and Traditional Chinese are available.

**Files Saved to Folder:** Displays the saving path of recorded videos. You can change the saving path by clicking on the folder button.

**Automatically generate the file name when recording starts:** If this option is selected, the titles of recorded videos will be named automatically.

**Set up maximum recording time:** Set the maximum recording time. If the recording time exceeds the set value, HVR-7200 HD Video Capture Pro will stop recording videos.

**OK:** Click to save the settings.

**Cancel:** Click to exit the "Setup" window without saving the settings.

**Note:** The parameter options may change as the software upgrades. Please refer to the "Setup" window of the latest version of the software.

# FREQUENTLY ASKED QUESTIONS

## 1. How to upgrade the firmware of HDML-Cloner Box Pro?

- (1) Download the firmware of HVR-7200 HD Video Capture Pro from <http://www.meicheng.com.tw> the firmware package and you will get the file "jedi.img". Copy the file "jedi.img" to the USB flash drive (FAT32 format) by plugging it into the computer.
- (2) Connect the power adapter to HVR-7200 HD Video Capture Pro and plug the USB flash drive into the "USB storage" port of HVR-7200 HD Video Capture Pro.
- (3) Press and hold the "ON/OFF" button for about 5 seconds to turn on the power.
- (4) The LED light will blink quickly (green and blue alternately) in the first 3 seconds, and then blink slowly (green and blue alternately). "Blink slowly" indicates HVR-7200 HD Video Capture Pro is in the process of upgrading and the process will be completed in 10 seconds to 2 minutes. The duration may vary according to the contents to be updated.
- (5) When the LED light switches to "quick blinking" from "slow blinking", it indicates the upgrade has been completed. Then you can restart HVR-7200 HD Video Capture Pro to enjoy the new firmware.

### Notes:

1. In the process of upgrading, please don't cut off the power or turn off/turn on the power. If HVR-7200 HD Video Capture Pro fails to work due to unexpected power outage, please return it to us for repair.
2. When the upgrade is completed, please delete the firmware on the USB flash drive to avoid upgrading every time HVR-7200 HD Video Capture Pro starts.

# SUPPORTED RESOLUTIONS

Input	4K (3840x2160 30p), 2K (2560x1440 60p) 1920x1080 (50p), 1920x1080 (60p), 1920x1080 (24p) 1920x1080 (25p), 1920x1080 (30p), 1920x1080 (50i) 1920x1080 (60i), 1360x768 (60p) 1280x1024 (60p), 1280x720 (60p), 1280x768 (60p) 1280x800 (60p), 1024x768 (60p) 720x480 (60i), 720x480 (50i), 640x480 (60p) 720x480 (60p), 720x576 (50p)
Output	1920x1080 (60p), 1280x720 (60p), 1024x768 (60p) 1280x800 (60p), 1360x768 (60p)
Recording	1920x1080 (30p), 1280x720 (60p), 1024x768 (60p) 1280x800 (60p), 1360x768 (60p)  PC Recording: 1920x1080 (30p), 1280x720 (60p), 720x480 (60p)

# PRODUCT SPECIFICATIONS

Output format	MP4 (H.264)
Video standards (input)	NTSC, PAL, PAL-60
Supported recording formats	FAT32, NTFS
Input signals	HDMI, VGA, YPbPr, AV, Audio L/R, MIC
Output signals	HDMI (pass-through), USB, Micro USB
Bitrate	Max: 18Mbps
Maximum storage capacity	2TB
Power supply	DC 5V, 2A
Weight	7.1 oz
Dimensions	4.3 x 4.3 x 0.6 inches
Supported file formats for playback	<b>Image formats:</b> BMP, JPG, PNG <b>Audio formats:</b> MP3, WAV, FLAC, AAC, M4A (AAC encoded) <b>Video formats:</b> MP4, AVI, VOB, MKV, MOV, MPG ( <b>Video codec:</b> MPEG-2, MPEG-4, H.264, VC-1, HEVC) <b>NOTE: Videos can be played back normally only when the video codec, audio format and video format of a video meet the above requirements simultaneously.</b> <b>Text formats:</b> TXT

# CONTACT US

- If you encounter problems about using and upgrading hardware and software, or retrieving your lost registration code, please contact our support team : [mei.cheng@msa.hinet.net](mailto:mei.cheng@msa.hinet.net)
- If you have questions about batch purchase, affiliate program, commercial cooperation or advertisements, please send an Email to : [mei.cheng@msa.hinet.net](mailto:mei.cheng@msa.hinet.net)

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