灰度科技
HUIDU TECHNOLOGY

User Manual

HD-VP210

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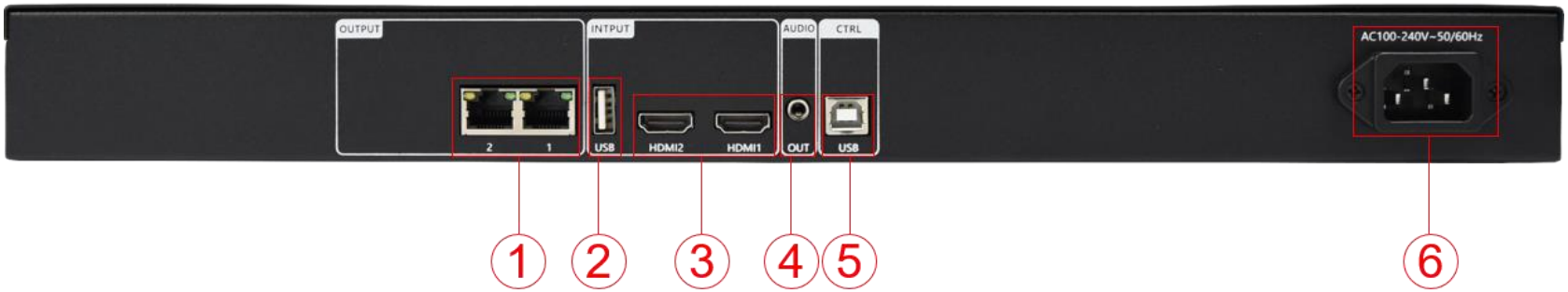
Chapter 1 Interface connection

Front panel：

No.	Interface Description
1	Power switch button
2	Infrared remote control receiver
3	Brightness increases / Play the next program file in the U-disk
4	Brightness decreases / Play the previous program file in the U-disk

5	HDMI 1 Signal selection button / Pause or play the program in the U-disk
6	HDMI 2 Signal selection button / Stop the program in the U-disk
7	USB Content playback selection button
8	Partial or Full-screen toggle button
9	Screen one-key Pause / Video and image switching playback

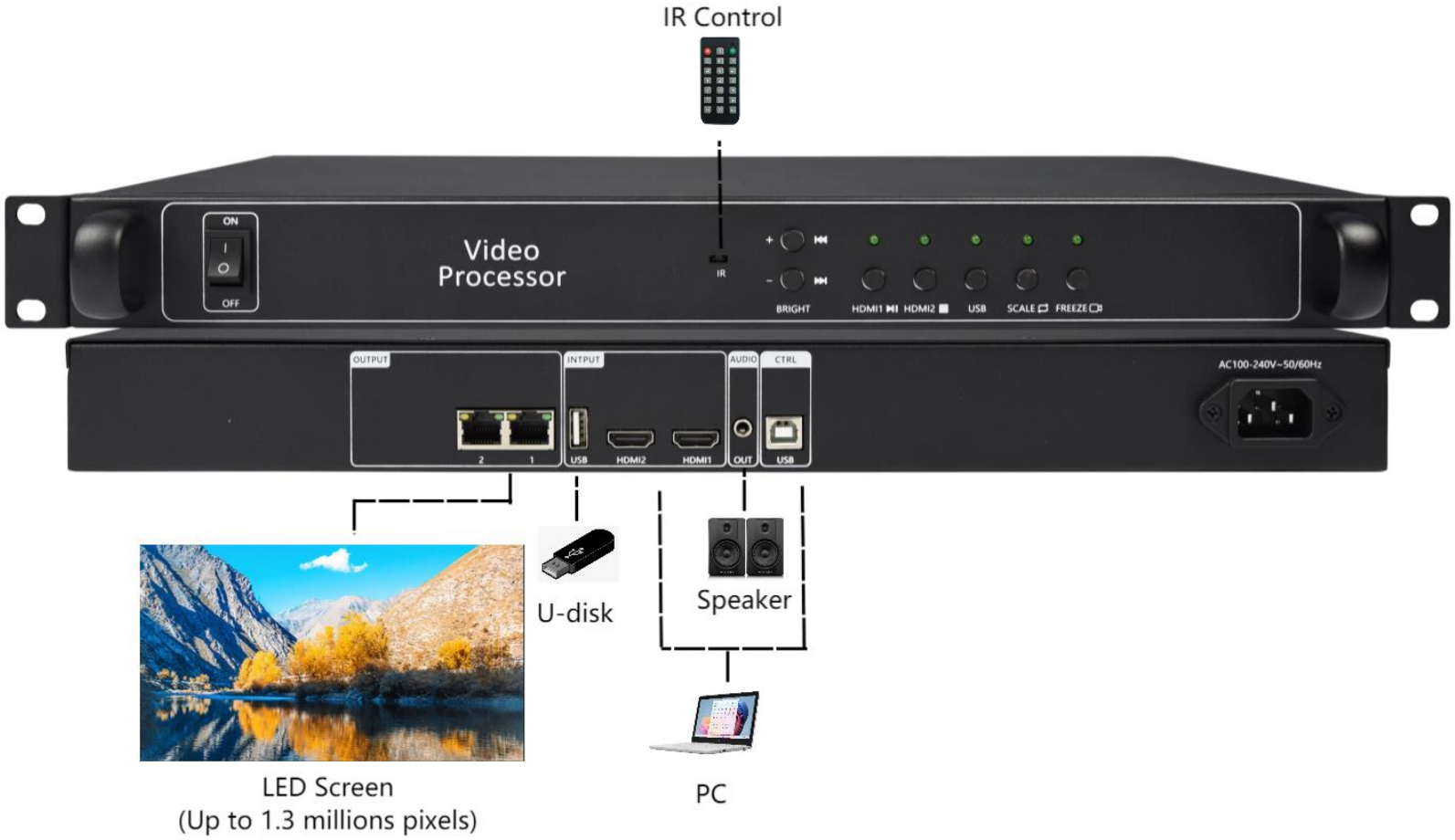
Rear Panel：



No.	Interface Description
1	Gigabit Ethernet port Transmission speed 1Gbps, used for cascading receiving cards, transmitting RGB data stream
2	USB2.0 input interface Support insert U disk to play video, picture

	Video file formats: mp4, avi, mpg, mkv, mov, vob and rmvb. Video encoding: MPEG4 (MP4), MPEG_SD/HD, H.264 (AVI, MKV), FLV. Image file formats: jpg, jpeg, png and bmp
3	HDMI 1 and HDMI 2 input interface Interface form: HDMI-A Signal standard: HDMI 1.3 backward compatible Resolution: VESA standard, ≤1920×1080p@60Hz
4	TRS 3.5mm dual channel audio output port Connect audio power amplifier for high-power audio external amplifier
5	USB-B interface Connect the computer for debugging the parameters of the receiving card, program upgrade, etc.
6	AC input interface 110V~240V 50/60Hz

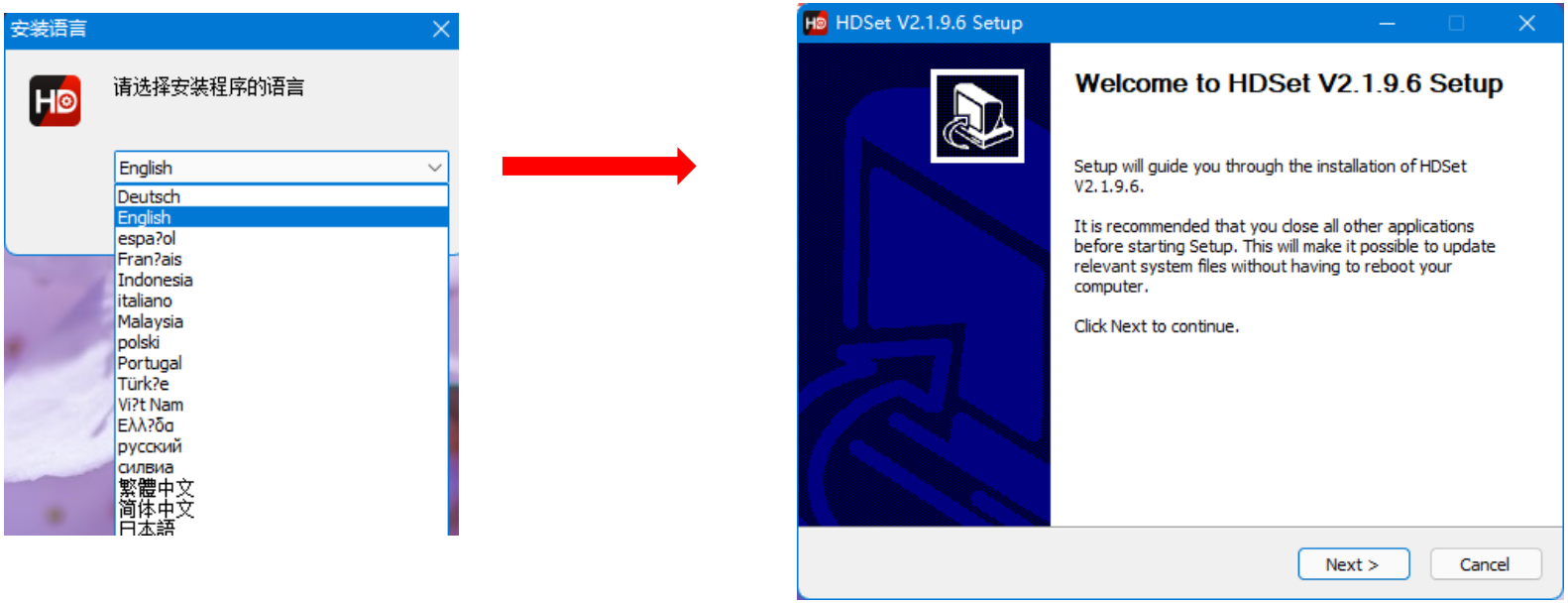
1.2 Hardware connection



Chapter 2 HDSet installation

Please download the installation package of HDSet software from Huidu's official website www.huidu.cn, and complete the installation according to the diagrams below:

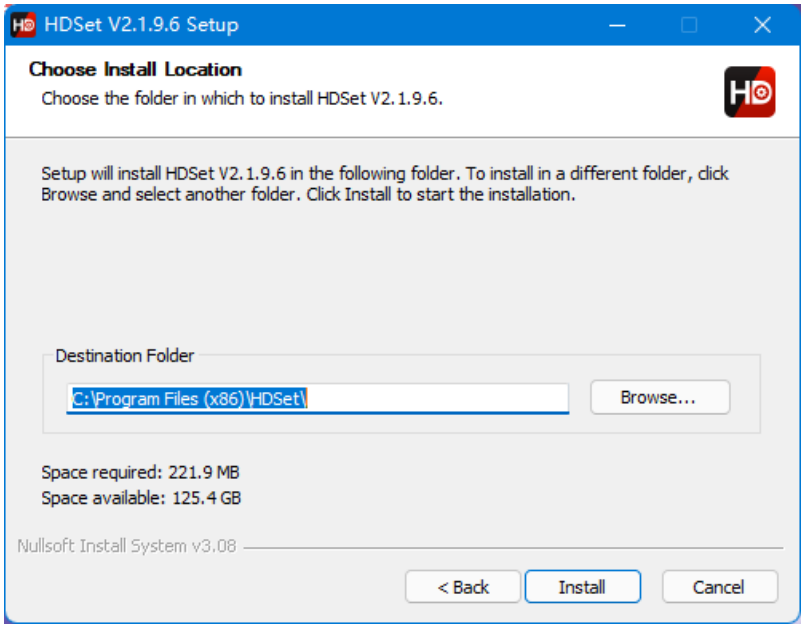
1.Run the software package,then select language for installer. Click [OK] to go on.

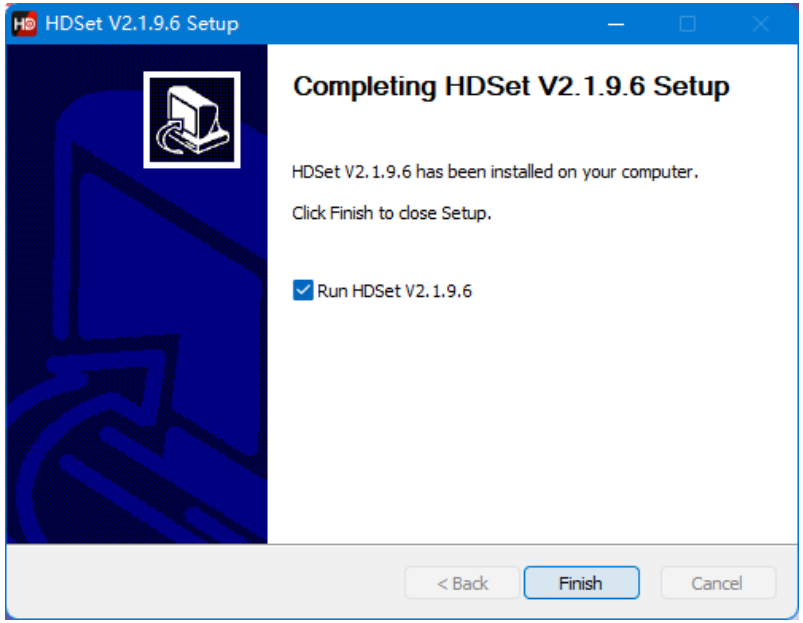


2.After selecting a language, an installation wizard like below will appear.Click [Next].

Choose the installation location, click [Browse] to change the default target location,then click [Install] after completing;

After the installation is complete,you are ready to use HDSet.





Chapter 3 HD-VP210C Parameter settings

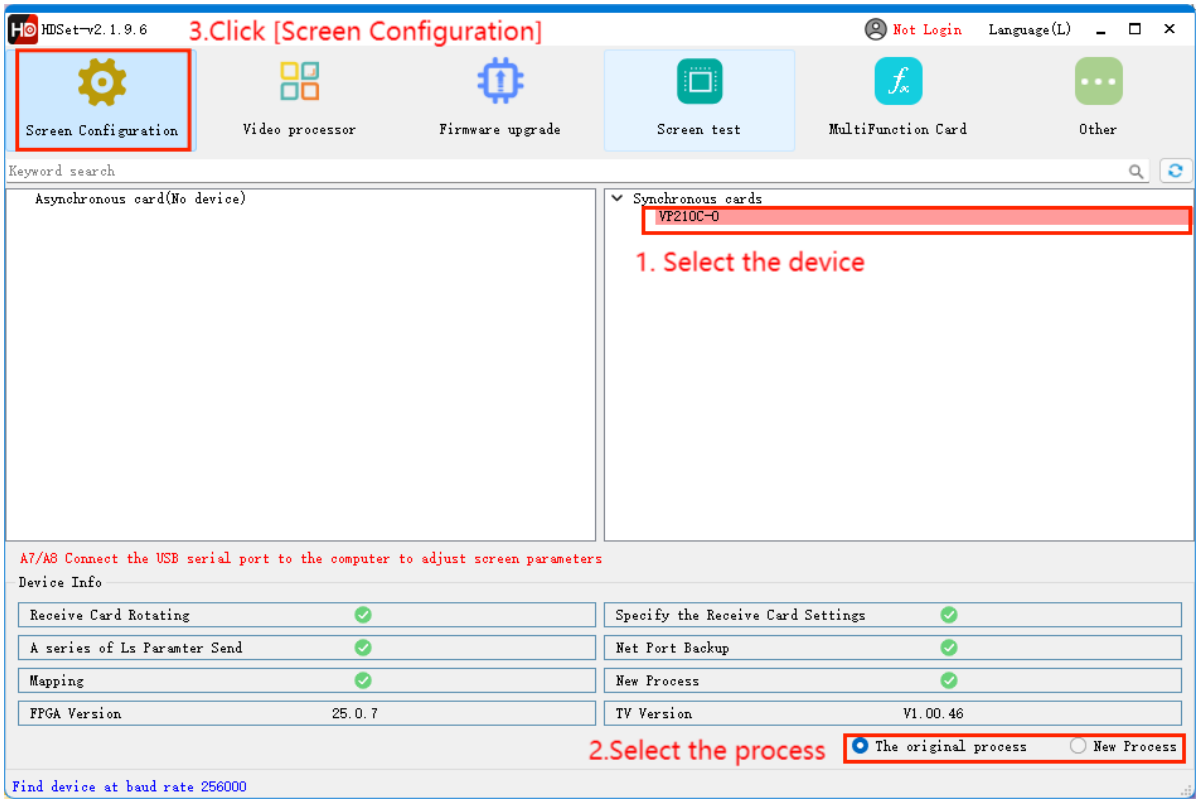
3.1 Connection

Connect the VP210C to the computer by USB-B type cable.

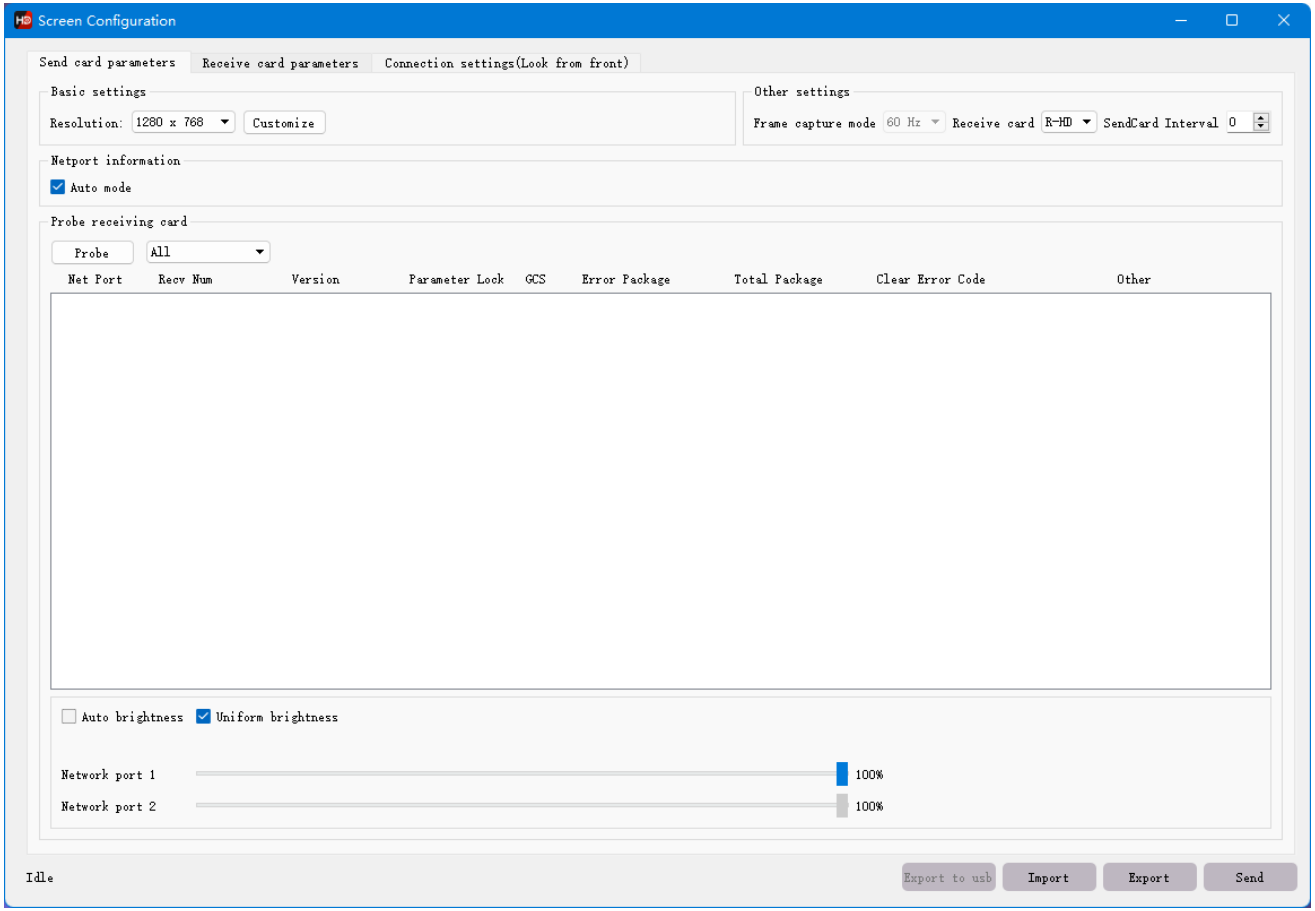
3.2 Basic Setting

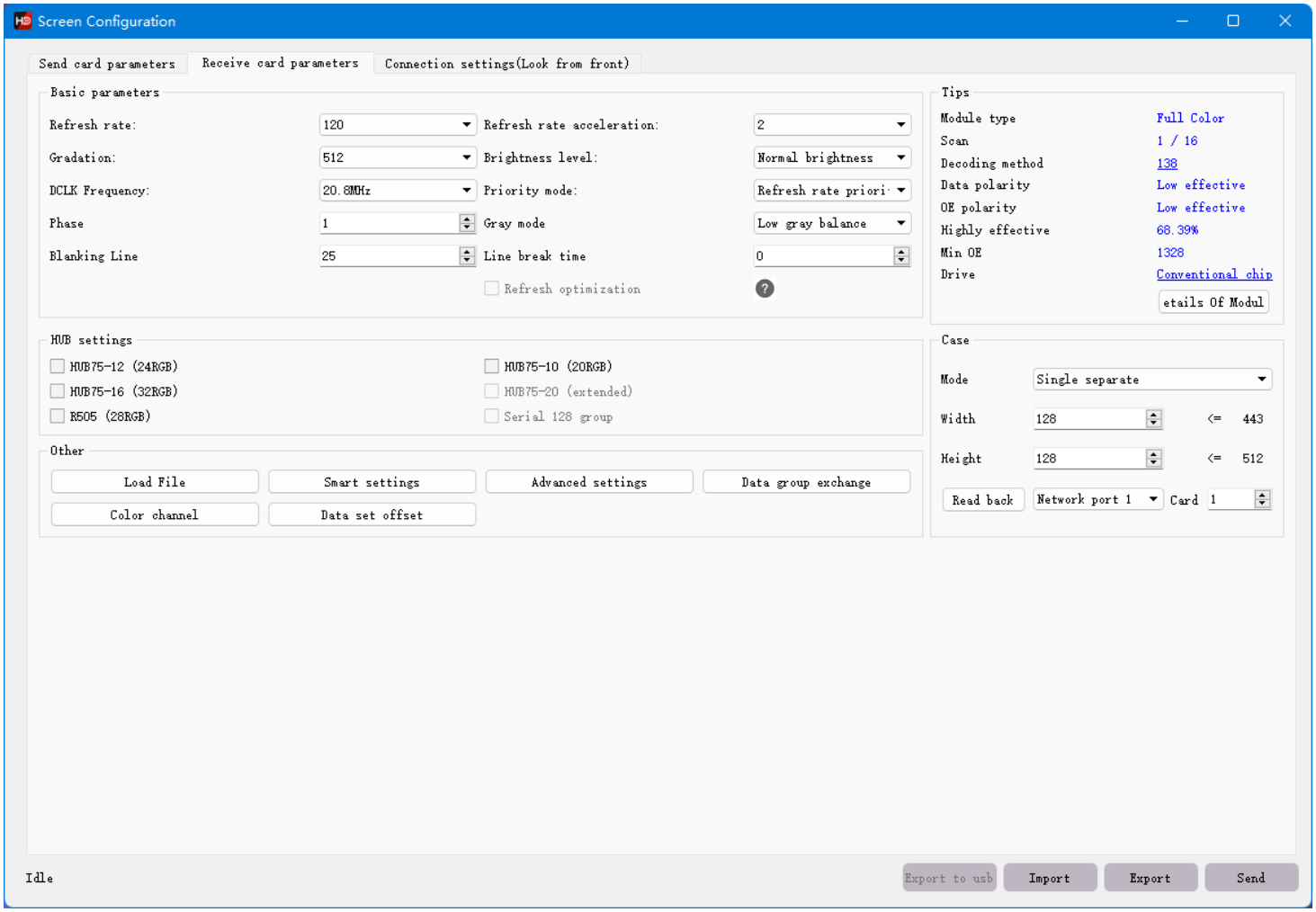
3.2.1 Screen Configuration

1.Run HDset software,then select device and process, click [Screen Configuration].



2. you can debug receiving cards.




Screen Configuration
Send card parameters
Receive card parameters
Connection settings(Look from front)
Basic parameters
Refresh rate:
120
Refresh rate acceleration:
2
Gradation:
512
Brightness level:
Normal brightness
DCLK Frequency:
20.8MHz
Priority mode:
Refresh rate priori
Phase
1
Gray mode
Low gray balance
Blanking Line
25
Line break time
0
Refresh optimization
Tips
Module type
Full Color
Scan
1 / 16
Decoding method
138
Data polarity
Low effective
OE polarity
Low effective
Highly effective
68.39%
Min OE
1328
Drive
Conventional chip
etails Of Modul
HUB settings
HUB75-12 (24RGB)
HUB75-10 (20RGB)
HUB75-16 (32RGB)
HUB75-20 (extended)
R505 (28RGB)
Serial 128 group
Case
Mode
Single separate
Width
128
<=
443
Height
128
<=
512
Other
Load File
Smart settings
Advanced settings
Data group exchange
Color channel
Data set offset
Read back
Network port 1
Card
1
Idle
Export to usb
Import
Export
Send

3.2.2 Video processor Setting

You can do processor setting here.

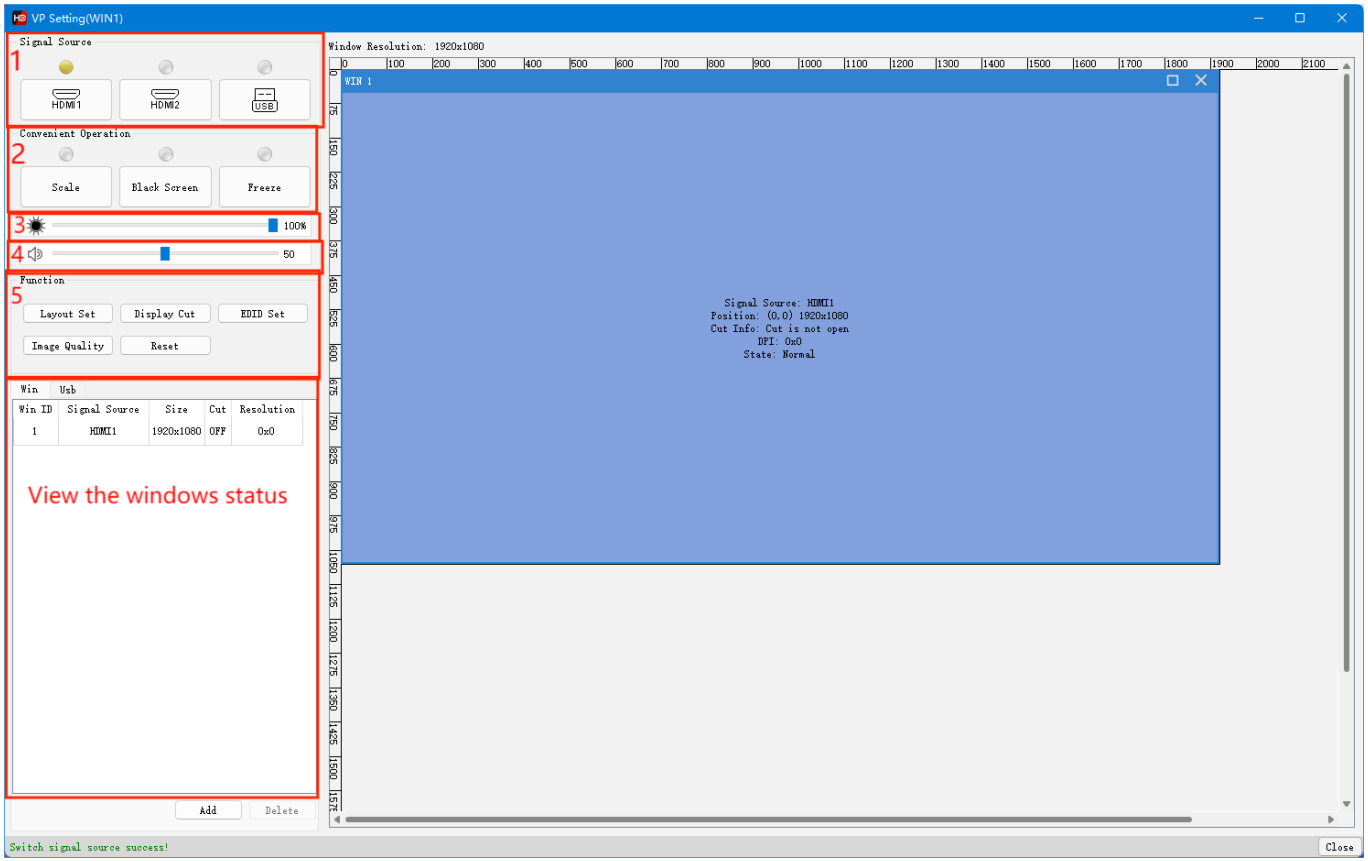
1.Select Sinal source.

2.Give [Scale],[Black Screen],[Freeze] order.

3.Set fixed brightness.

4.Set fixed volume.

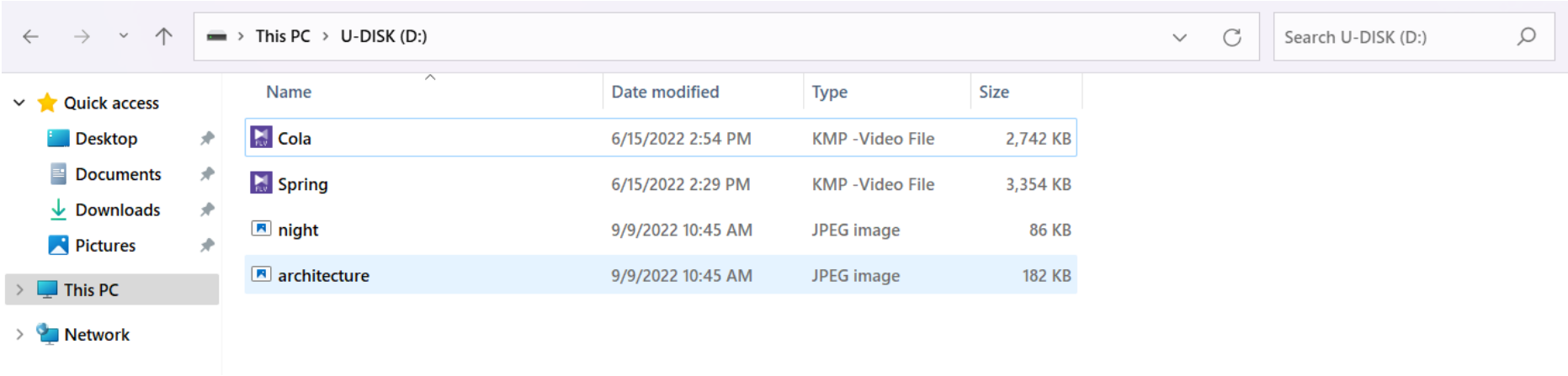
5.Use the Function,such as [Layout setting],[Display cut]..


VP Setting(WIN1)
Signal Source
HDMI1
HDMI2
USB
Convenient Operation
Scale
Black Screen
Freeze
100%
50
Function
Layout Set
Display Cut
EDID Set
Image Quality
Reset
Win
Usb
Win ID
Signal Source
Size
Cut
Resolution
1
HDMI1
1920x1080
OFF
0x0
View the windows status
Add
Delete
Window Resolution: 1920x1080
WIN 1
Signal Source: HDMI1
Position: (0,0) 1920x1080
Cut Info: Cut is not open
DPI: 0x0
State: Normal
Switch signal source success!
Close

Chapter 4 Advanced function

4.1 USB Playing

1.Put the video and picture in the root catalog of U-disk.



2.Insert the U-disk to the VP210C.

4.2 Change function of buttons

When insert your U-disk, press the ‘USB’ button to play video or picture. When you want to use the change function,press the ‘USB’ button again.Each button’s function will change. As follow:

NO.	BUTTON	CHANGE FUNCTION	PS
1	**BRIGHT+**	USB play mode,change to ⏮ , Play the previos file in present folder.	
2	**BRIGHT—**	USB play mode,change to ⏭ , Play the next file in present folder.	
3	**HDMI1**	USB play mode,change to ⏯ , pause/start	
4	**HDMI2**	USB play mode,change to ⏹ , stop playing	
5	**SCALE**	USB play mode,change to switch play mode（playbill loop or single file loop）	
6	**FREEZE**	USB play mode,change to switch the category of USB playing file	
7	**HDMI1 + FREEZE**	Press HDMI1,FREEZE simultaneously;after 3 seconds,device goes into function button lock status , 'HDMI1', 'HDMI2' and' 'USB' lamps lighten, 'Non-current input source' lamp flash.When in function button lock status, Press HDMI1,FREEZE simultaneously 3 seconds will unlock.	
8	**SCALE + HDMI2**	When USB play mode,change to update the firmware, 'HDMI1' , 'USB', 'FREEZE'lamp flash when updating.	