灰度科技
HUIDU TECHNOLOGY

User Manual

HD-VP410

灰度科技
HUIDU TECHNOLOGY

Content

Chapter 1 Interface connection 1

1.2 Hardware connection 6

Chapter 2 HDSet installation 7

Chapter 3 HD-VP410 Parameter settings 9

3.1 Connection 9

3.2 Screen Configuration 9

3.3 Input source switching 13

3.4 Scale setting 14

3.5 Image setting 15

3.6 U Disk setting 16

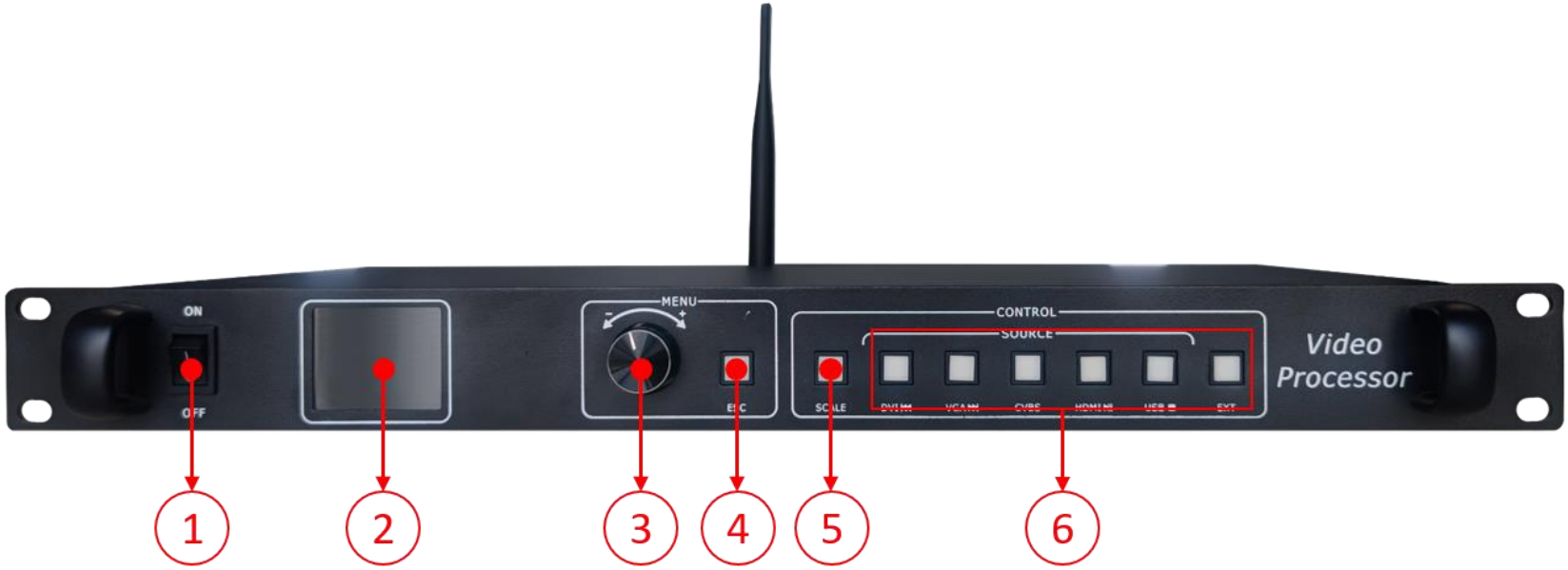
3.7 Template setting 17

3.8 Adavanced setting 17

3.8.1 Language 17
3.8.2 Sound Settings 18
3.8.3 Firmware Upgrade 19
3.8.4 Factory reset 19
3.8.5 System information 19
3.8.6 other setting 20
3.8.7 Quick connection 21
3.8.8 Load configuration 21
3.9 Brightness adjust 22
Chapter 4 Advanced function 23
4.1 USB Playing 23

Chapter 1 Interface connection

Front panel：



No.	Button	Function Description

1	Power button	Device power switch button
2	LCD Screen	Display device menu information
3	Rotary button	Rotate the knob to select the menu and press to confirm
4	Return key	Exit the current menu or operation
5	SCALE	Full screen zoom shortcut button
6	Input source	Under U-disk input playback mode, DVI button will be defined as ⏮, means play previous file. Under U-disk input playback mode, VGA button will be defined as ⏭,means play next file. Under U-disk input playback mode, CVBS and HDMI button will be defined as ⏯, means pause or play the file. Under U-disk input playback mode,USB button will be defined as ■, means stop play.

Rear Panel：

Port	Quantity	Function
USB（Type A）	1	Directly play videos pictures in the USB Image file format：jpg、jpeg、png & bmp； Video file format：mp4、avi、mpg、mkv、mov、vob & rmvb; Video coding：MPEG4(MP4),MPEG_SD/HD,H.264(AVI,MKV),FLV
HDMI	1	Signal standard：HDMI1.3 Backward compatible Resolution：VESA Standard，≤1920×1080p@60Hz
CVBS	1	Signal standard：PAL/NTSC　1Vpp±3db　(0.7V Video+0.3v Sync) 75

		ohm Resolution： 480i,576i
VGA	1	Signal standard：R、 G、 B、 Hsync、 Vsync:0 to1Vpp±3dB (0.7V Video+0.3v Sync) 75 ohm black level： 300mV Sync-tip： 0V Resolution： VESA Standard，≤1920×1080p@60Hz
DVI	1	Signal standard： DVI1.0，HDMI1.3 Backward compatible Resolution： VESA Standard，PC to 1920x1080，HD to 1080p
AUDIO	2	Audio input and output
Output Port		
Port	Quantity	Function
LAN	4	4-way network port output interface, connected to the acceptance card

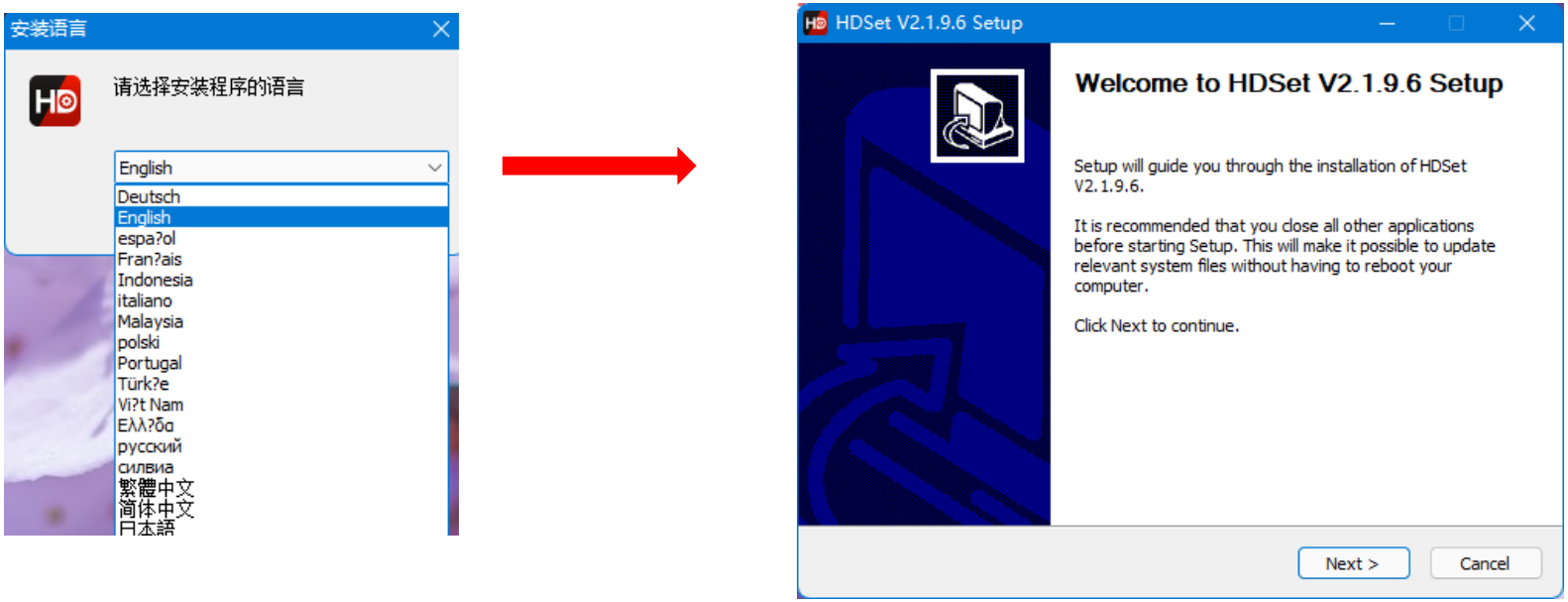
Control interface		
Port	Quantity	Function
Square USB（Type B）	1	Connect computer setting screen parameters
Power interface	1	110-240VAC， 50/60Hz

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:

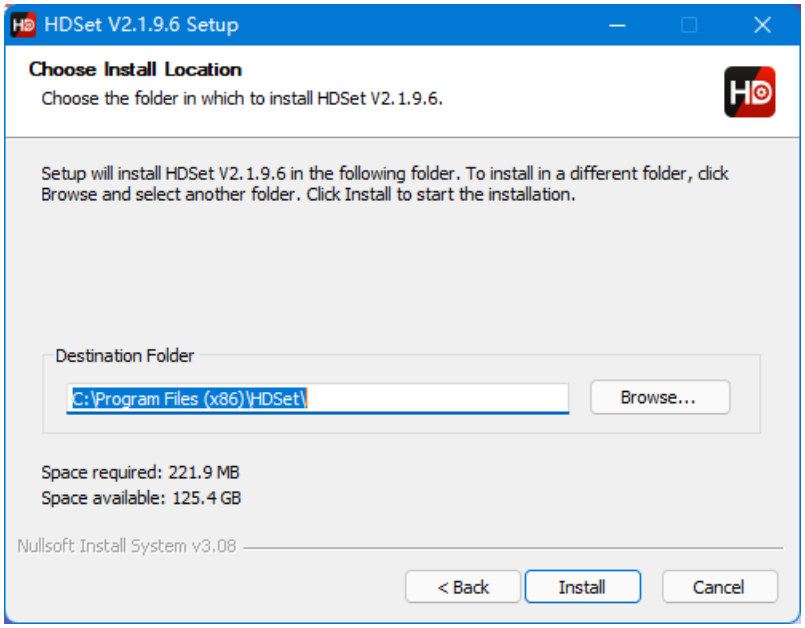
1.Run the software package,then select language for installer. Click [OK] to go on.

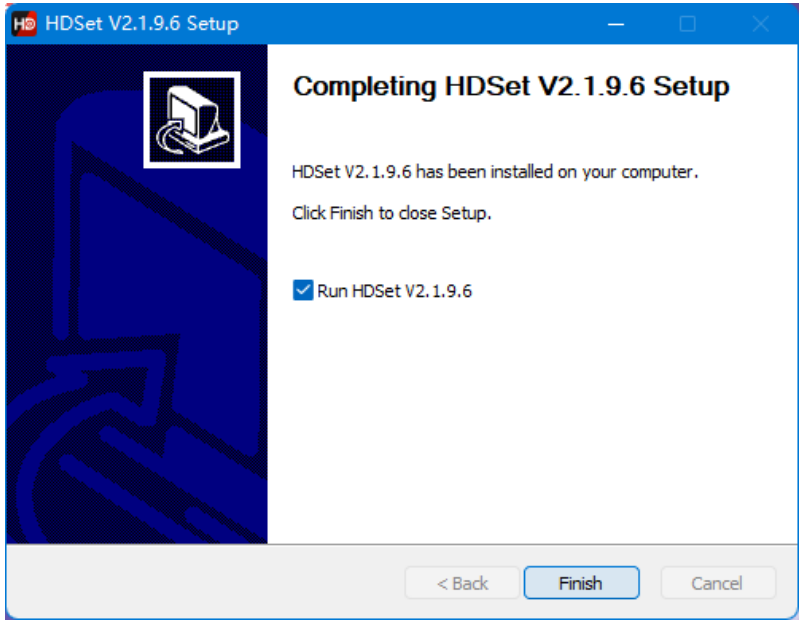


2.After selecting a language, an installation wizard like below will appear.Click [Next].

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.





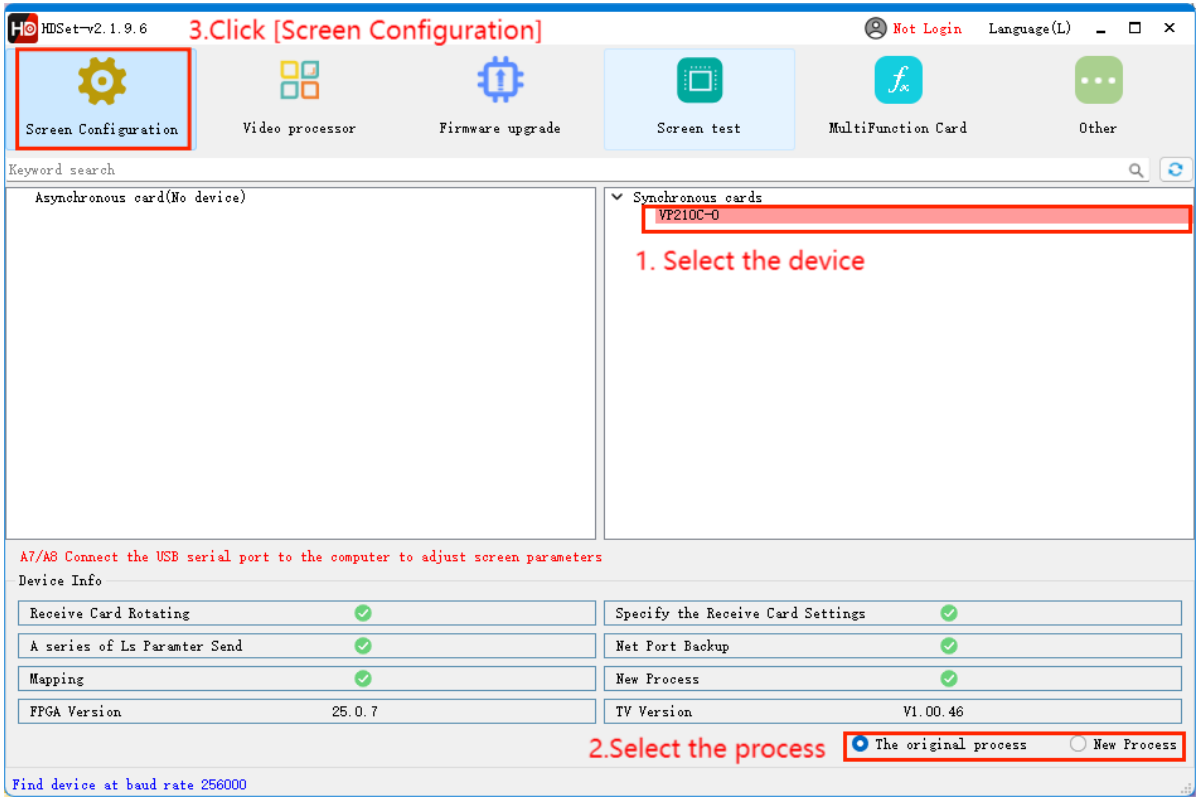
Chapter 3 HD-VP410 Parameter settings

3.1 Connection

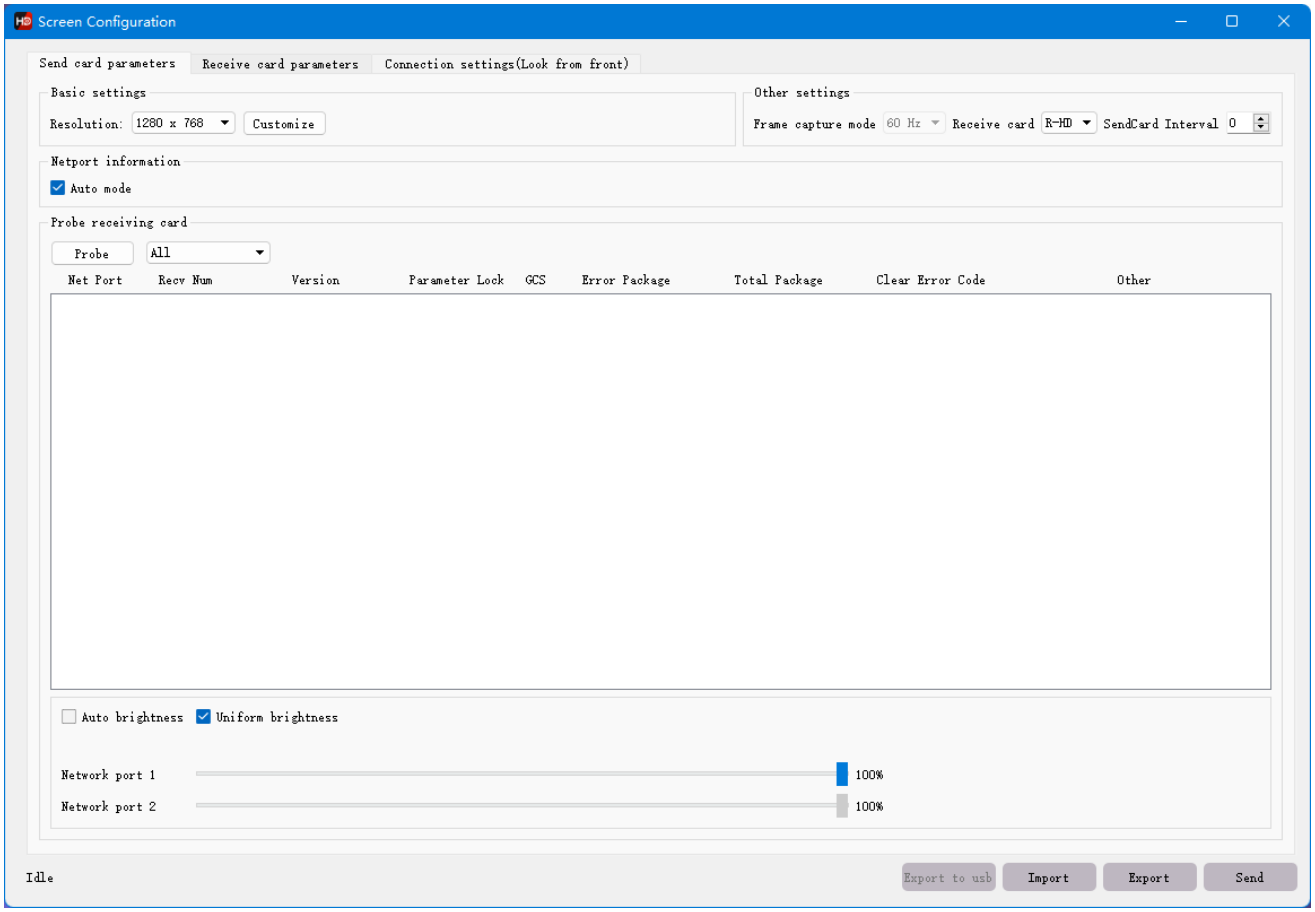
Connect the VP410 to the computer by USB-B type cable.

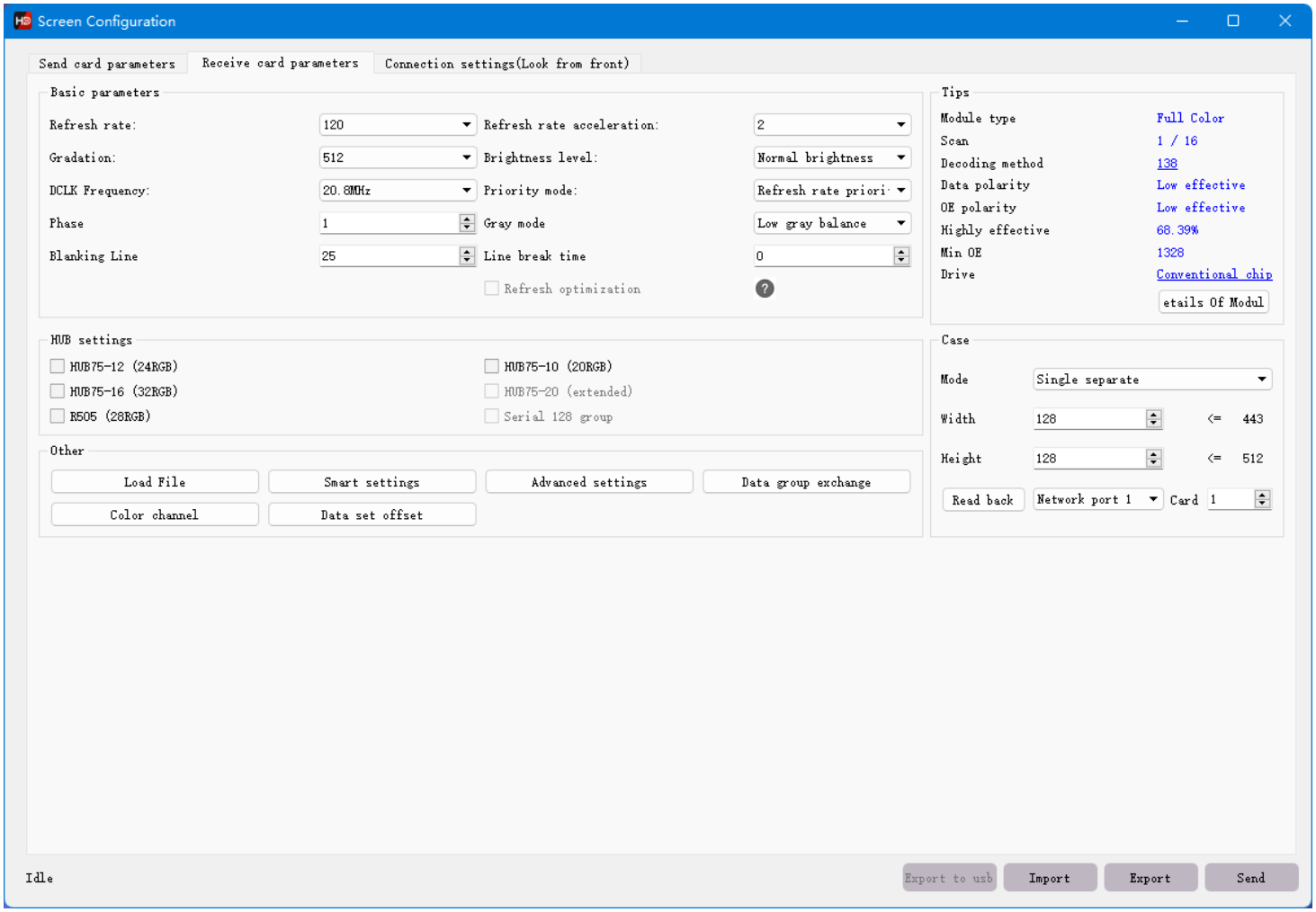
3.2 Screen Configuration

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 settings
Resolution:
1280 x 768
Customize
Other settings
Frame capture mode
60 Hz
Receive card
SendCard Interval
0
Netport information
Auto mode
Probe receiving card
Probe
All
Net Port
Recv Num
Version
Parameter Lock
GCS
Error Package
Total Package
Clear Error Code
Other
Auto brightness
Uniform brightness
Network port 1
100%
Network port 2
100%
Idle
Export to usb
Import
Export
Send


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)
HUB75-16 (32RGB)
R505 (28RGB)
HUB75-10 (20RGB)
HUB75-20 (extended)
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

3.3 Input source switching

The HD-VP410 supports simultaneous access to five signal sources, and can switch to the input source that needs to be played at any time as required.

There are two ways to switch input sources.

One is to press the button in the "SOURCE" area on the front panel to quickly switch.

The other is to select input sources through the menu interface.

Press the knob to select "Input Setting" → "Source" .

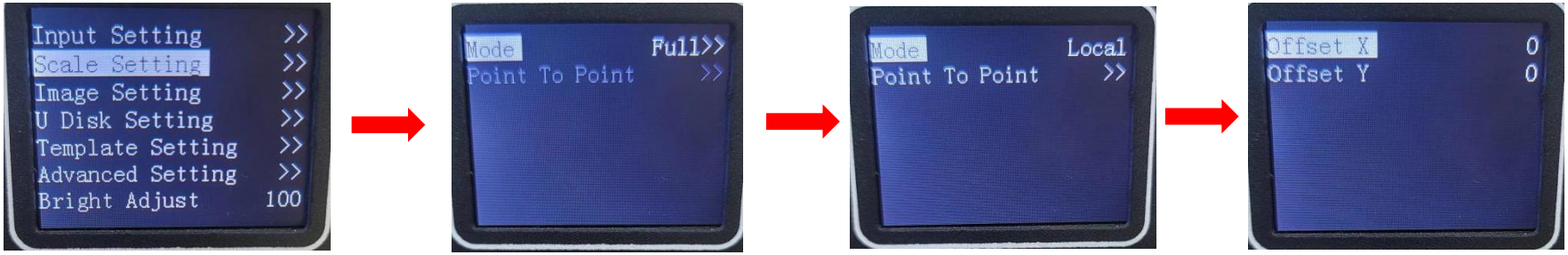
3.4 Scale setting

HD-VP410 supports point-to-point image output.There are two ways to switch input sources.

One is press the ‘SCALE’ button.

another one is to select Scale setting through the menu interface.

You can set offset X and offset Y.



3.5 Image setting

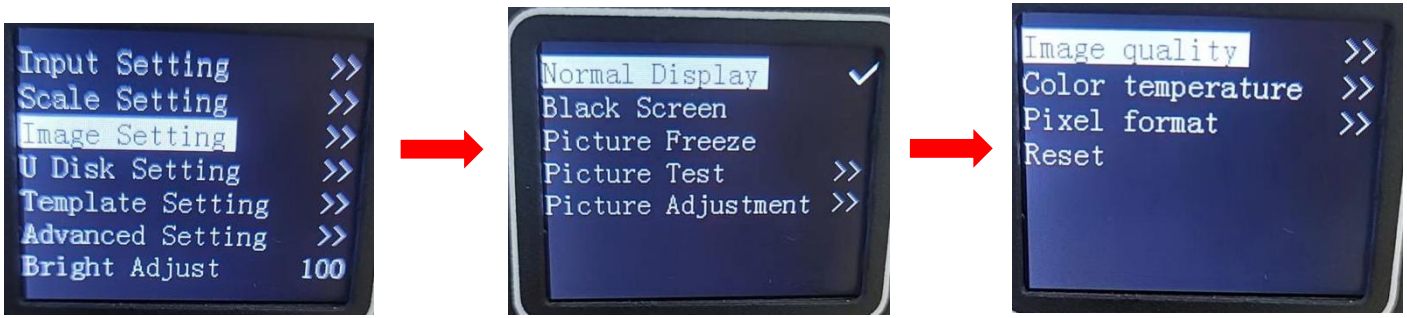
Normal Dispaly: normal output status

Black Screen:cut off output then show nothing.

Picture Freeze:Lock the current screen.

Picture test:Color test.

Picture Adjustment:Adjust the image quality,color temperature and pixel format.

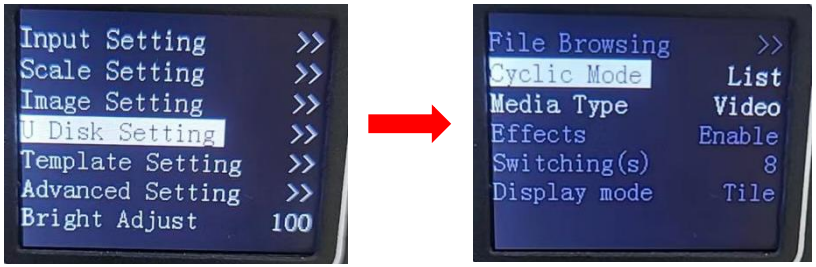


3.6 U Disk setting

File Browsing:You can browse the files in the U disk.

Cyclic mode:List or Single. 'List' means play in loop; 'Single' mean repeat one file.

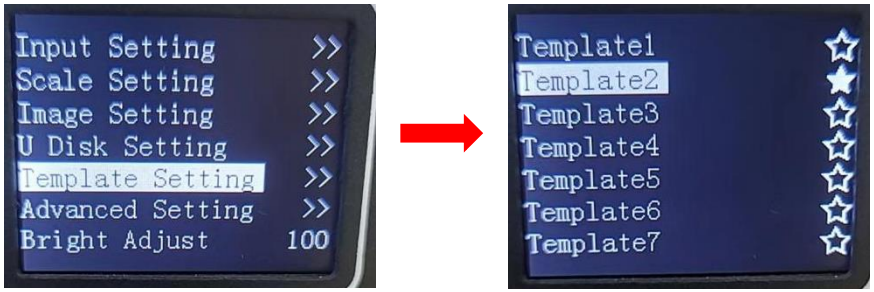
For Picture,you can turn on/off Effects,edit the switching time and display mode.



3.7 Template setting

You can save up to 7 templates.

‘★’ mean this teamplate is already occupied.



3.8 Adavanced setting

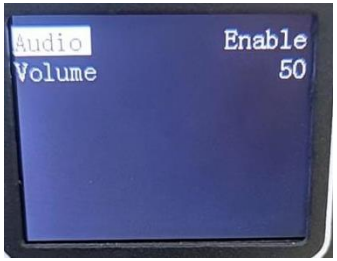
3.8.1 Language

Choose Chinese/English.

3.8.2 Sound Settings

1.Turn on/off audio.

2.Set fixed volume.

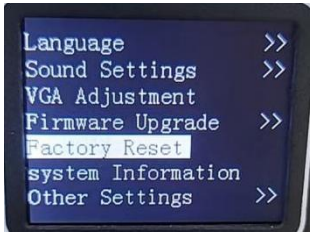


3.8.3 Firmware Upgrade

Upgrade TV and console firmware by U disk.

3.8.4 Factory reset

Restore the device to factory settings.



3.8.5 System information

Check the device's DSP and MCU version.

3.8.6 other setting

1.Management language

You can add language by U disk

2. WiFi management

Turn on/off WiFi

3. EDID Mode

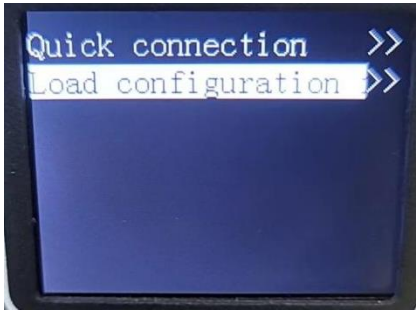
Choose DVI/HDMI for input source.

3.8.7 Quick connection

The HD-VP410 support quick connection setting.

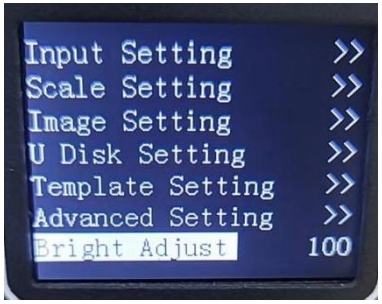
3.8.8 Load configuration

Load the configuration from U disk.



3.9 Brightness adjust

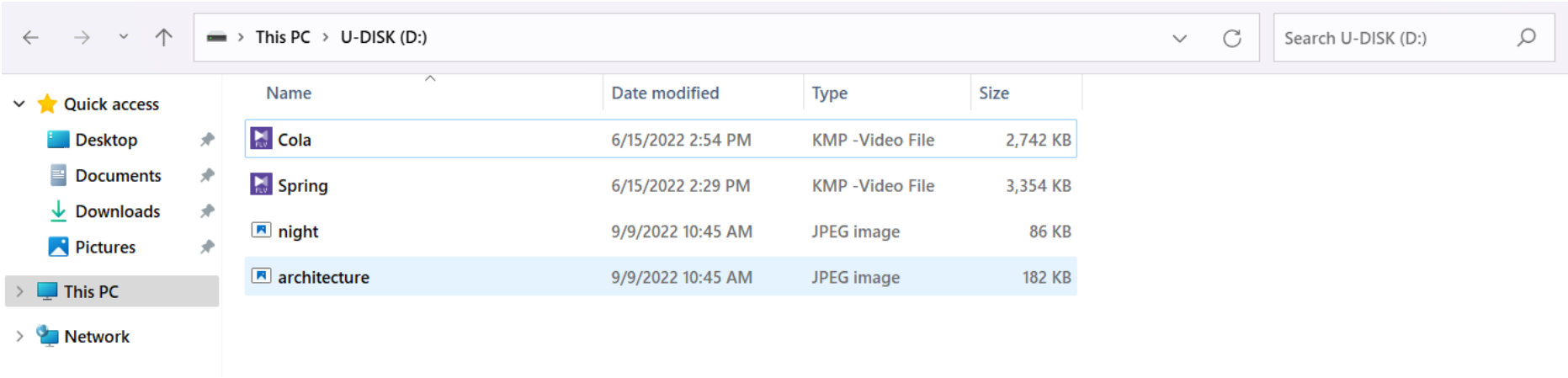
Set the fixed brightness.



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 VP410.

OUTPUT
1
2
3
4
INPUT
USB
HDMI
CVBS
VGA
DVI
AUDIO
IN
OUT
CTRL
USB
Wi-Fi
100-240V AC
POWER
50/60Hz