

HDMI HD video controller instructions



essential parameter:

Load pixel:	Single output 80,000, total output 320,000 pixels,
Working voltage, power	AC110V---220V, power: 5W
weight:	Mold weight: 1.1kg Net weight: 805.5g
size:	Outer box: 31 x 24.7 x 6cm Machine: 25×10.1×4.3cm
output port	Output 4 OUT1 OUT2 OUT3 OUT4
joggle	RJ45*4 output, COM serial port *1, USB2.0*1, USB3.0*1, HDMI port *1, SIM card slot *1
Signal transmission mode	HDMI HD video signal

System features:

1. Each unit can control up to 320,000 pixels and four output network ports, each of which can control up to 80,000 pixels.
2. Four network ports are independently configured to control lamps with different chips, and each network port can connect up to 255 sub-control units.
3. Use HDMI HD video distributor, multiple main control zone control, unlimited number, the actual control ability depends on the HDMI output device, such as a dual-display computer can control up to 3.84 million points.
4. Support multiple resolutions 1024X768,1280X720,1280X960,1280X1024,1360X765,1360X1020,1600X900,1600 X1200.
5. The screen refresh rate is recommended to be set at 30Hz.
6. Supports single and double channel lamps, as well as special lamps with empty space and disorder.
7. The data is transmitted and controlled by HDMI without driver, which can be used in both 32-bit and 64-bit operating systems.
8. The transmission signal adopts the fast Ethernet protocol, and the nominal distance is 100 meters. The transmission distance can be more than 25 kilometers through IP converter and photoelectric converter.

The main interface displays:



Frame rate: 10,20,30,40,50,60



Brightness: 1% to 100%



Offset coordinates: 0, 0

Capture card: normal, abnormal (network traffic card)

Resolution: 1920*1080



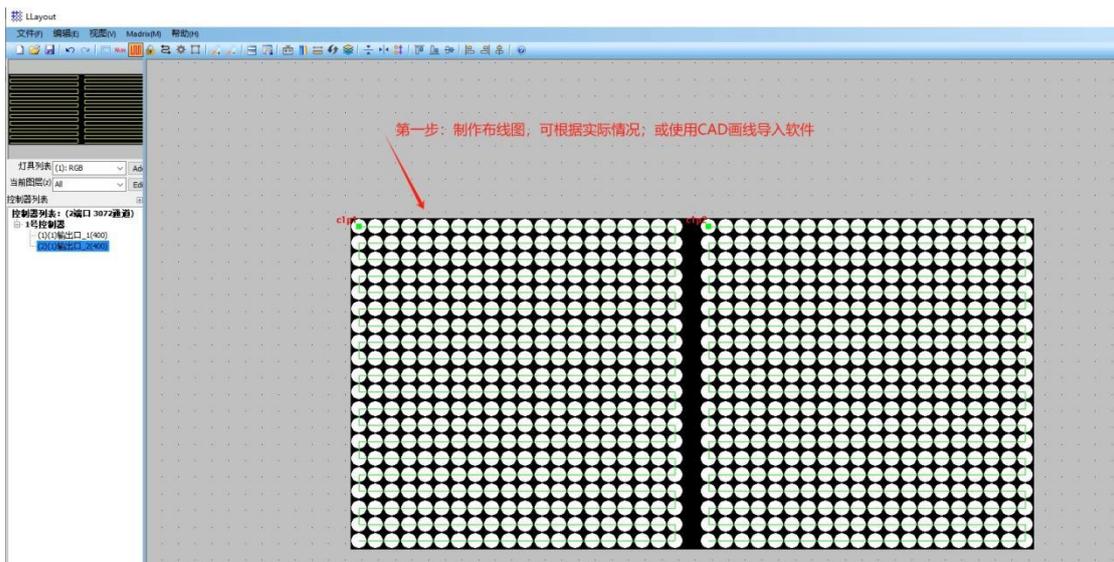
Cabling diagram: (whether uploaded normally)

Port configuration:

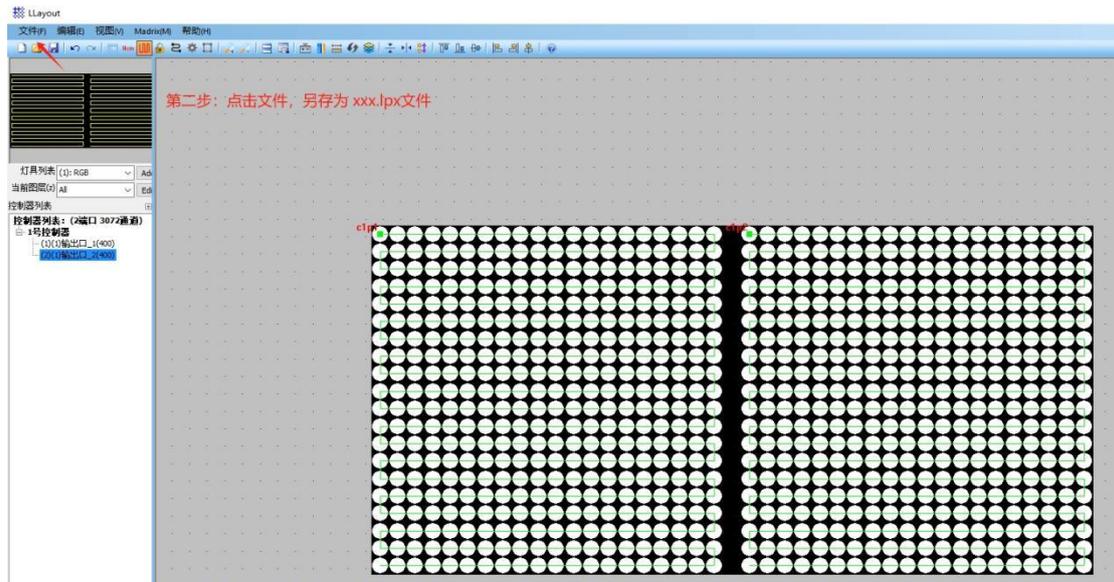


Basic usage:

Step 1: Drawing production



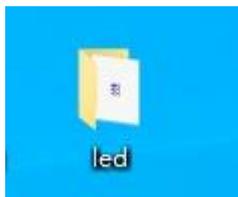
File as:



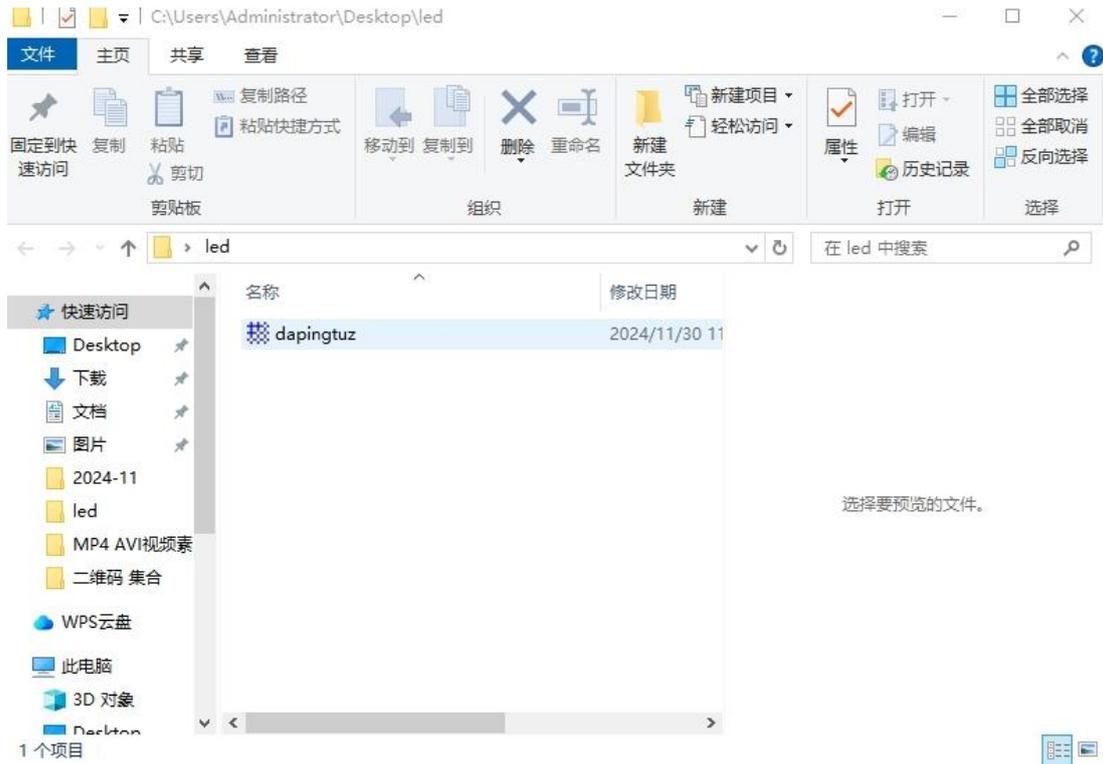
Create the xxx.lpx file

Step 2: Upload the drawing file

1. Create a new folder named led



The civilized name must be changed to led



The drawings are placed in the folder of led



Save the folder to the SD card or U disk and plug it into the USB port of the controller



The U disk or SD card is inserted into the USB interface of the controller,
Direct insertion with power on, no need to restart without power.

The controller automatically downloads the program. After the download
is completed, the display shows as follows:

Copy complete!!

Step 3: Port configuration



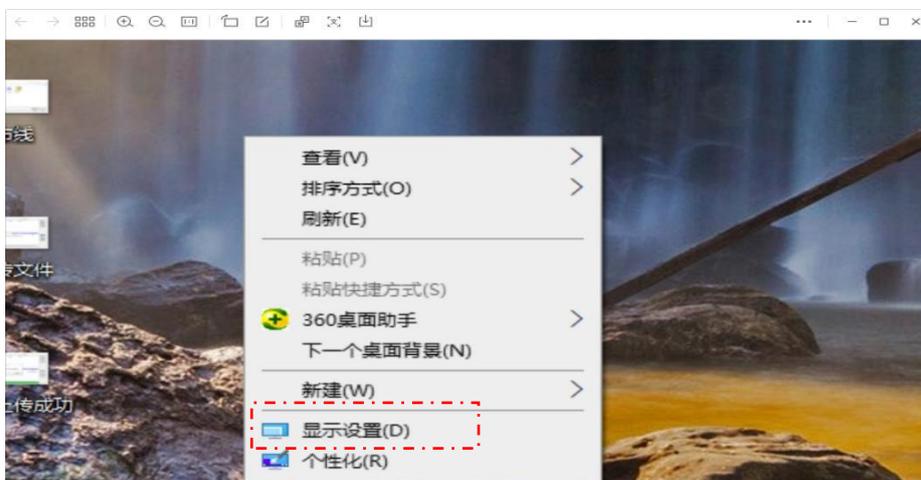
The controller has a total of 4 outputs, output 1, output 2, output 3, and output 4

Each controller can be customized, for example port 1: 1——20 port 2: 21——40 port 3: 41——60 port 4: 61——80

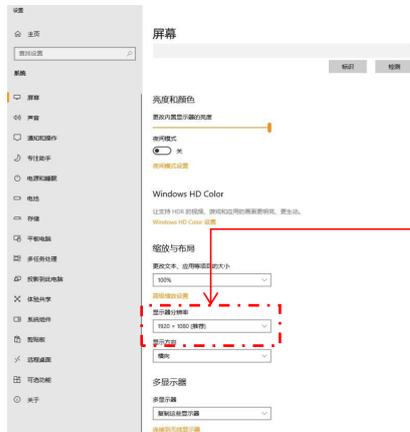
Set up as shown above, click "Configure"!

Step 4: Display resolution Settings

As mentioned above, we set the parameter resolution to 1920*1080, so we also set the display to the same. Settings are as follows



Right click on "Computer Desktop" and select "Display Settings" to enter the interface

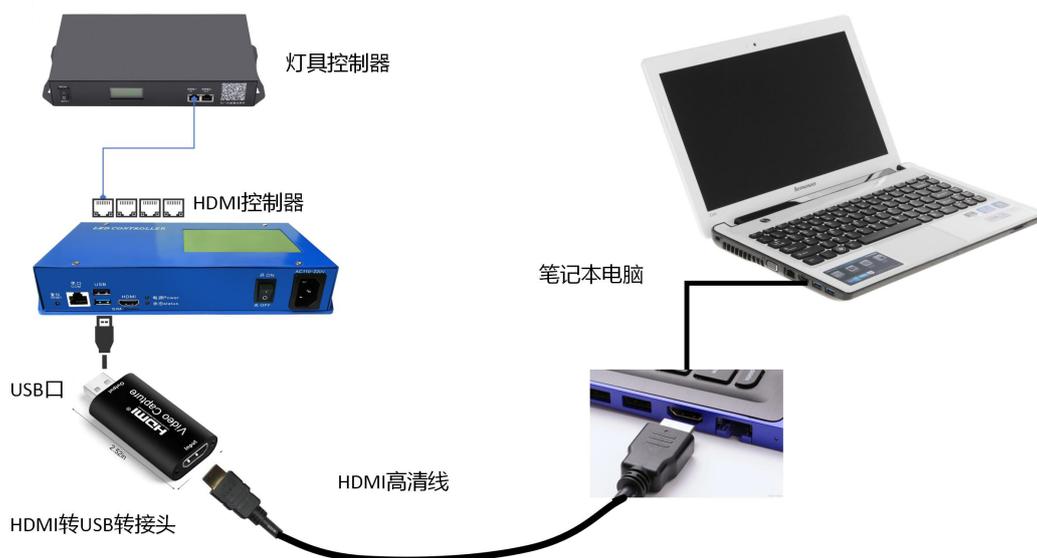


If the screen is not full or exceeds the playback window, switch to an appropriate scale.

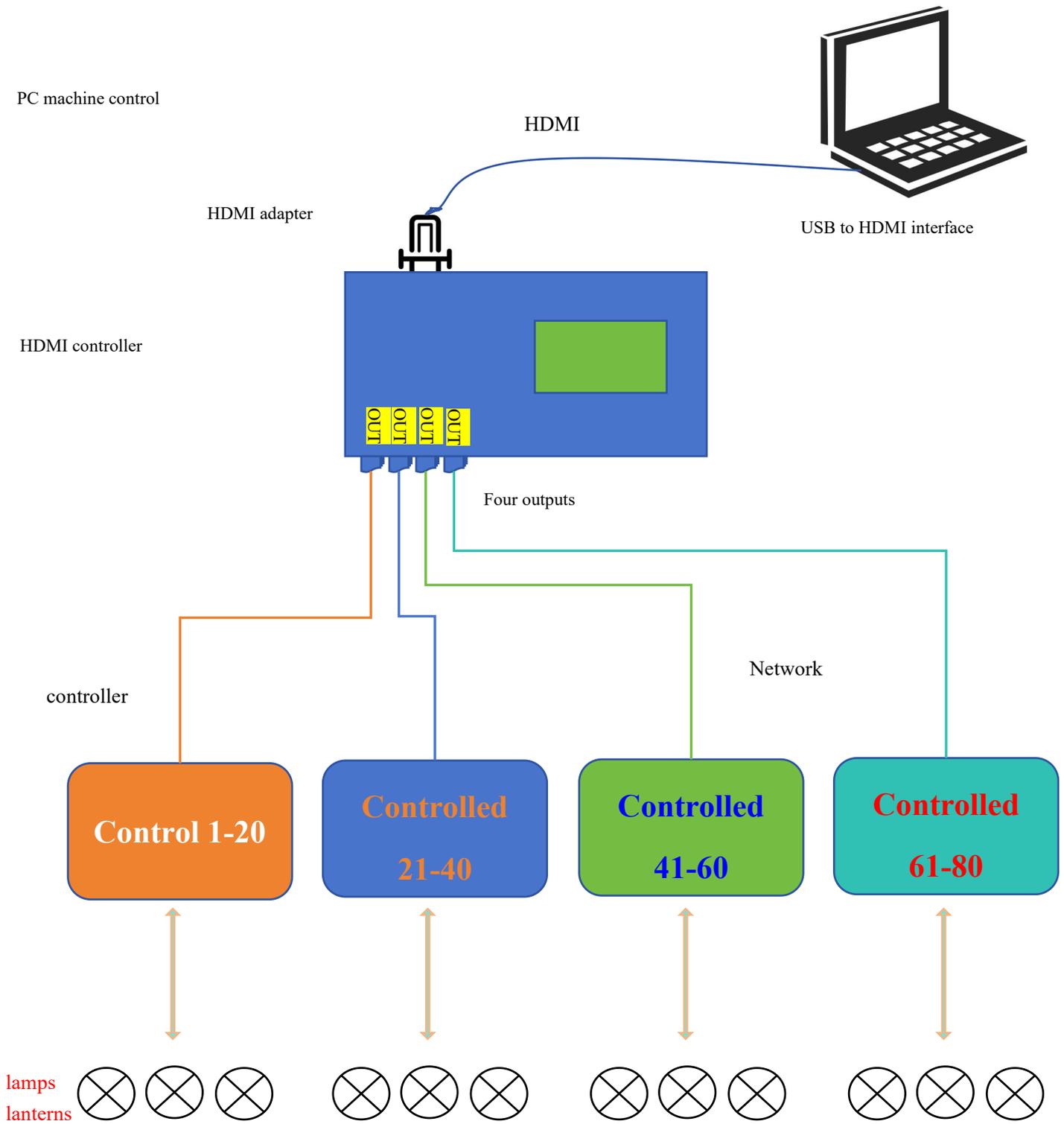
Select 1920*1080 resolution

After the setting is complete, the lamp will display according to the computer screen, and you can play the animation video at will, or preview with Madrix software DVI.

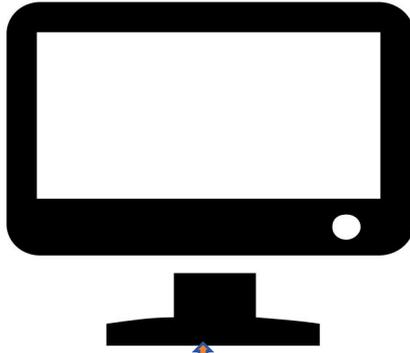
The physical schematic diagram is shown in the following figure:



Basic usage diagram:



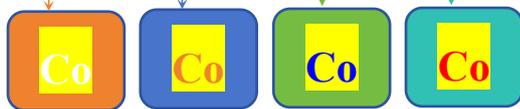
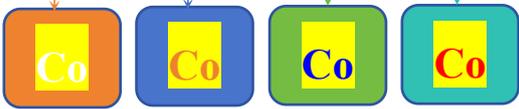
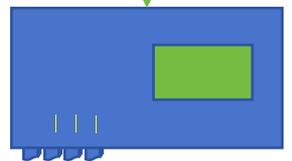
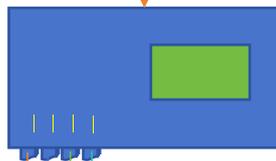
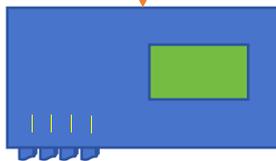
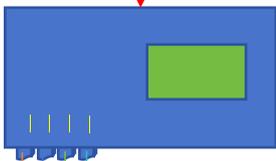
Video



HDMI video distributor



HDMI



controller

controller