



RGB Line Design - PPT

This video takes panel
P30- RGB+W as examples

San Nan Technology



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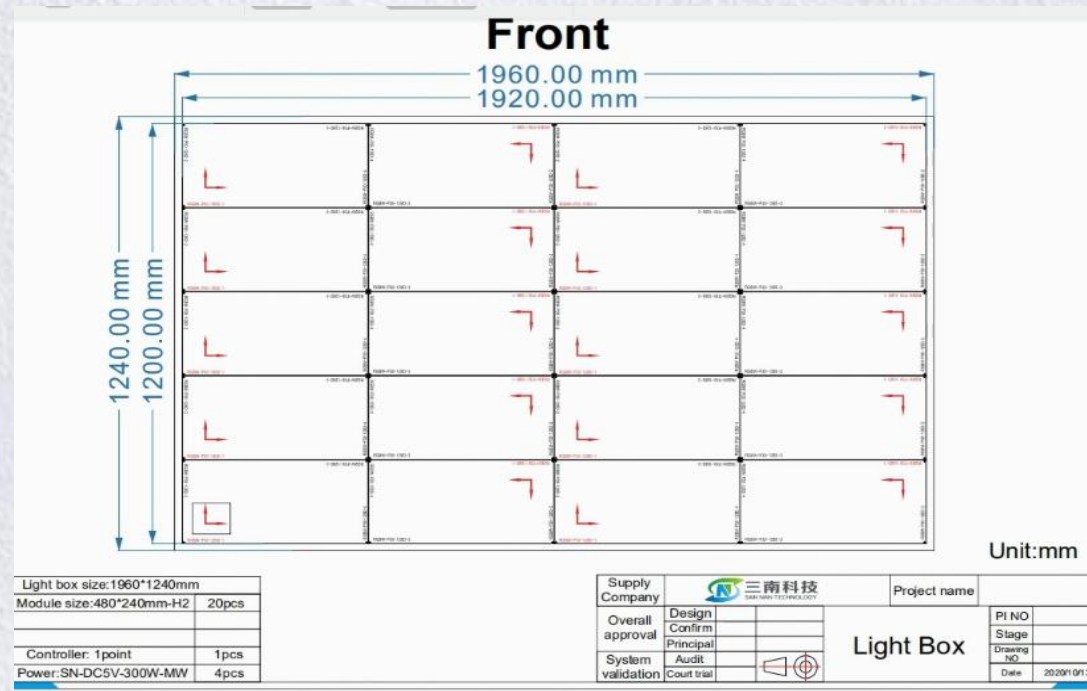
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01. The preparatory work

Before the circuit design of RGB type light boxes, we need to prepare the following things:

1. Line design drawing of RGB light box;



2. Required application software:

A. Line making software LEDStation 5.1

B. Controller conversion software LED TO LDX V3.7

3. The downloaded video file format is AVI. or SWF.





02. Set Size

①Click: "File" -- "New Folder" -- "Set Size" pops up.

Width: 66 pixels, the calculation method is shown in the right picture:

$$(1920 \div 30 + 2 = 66)$$

Total panels length

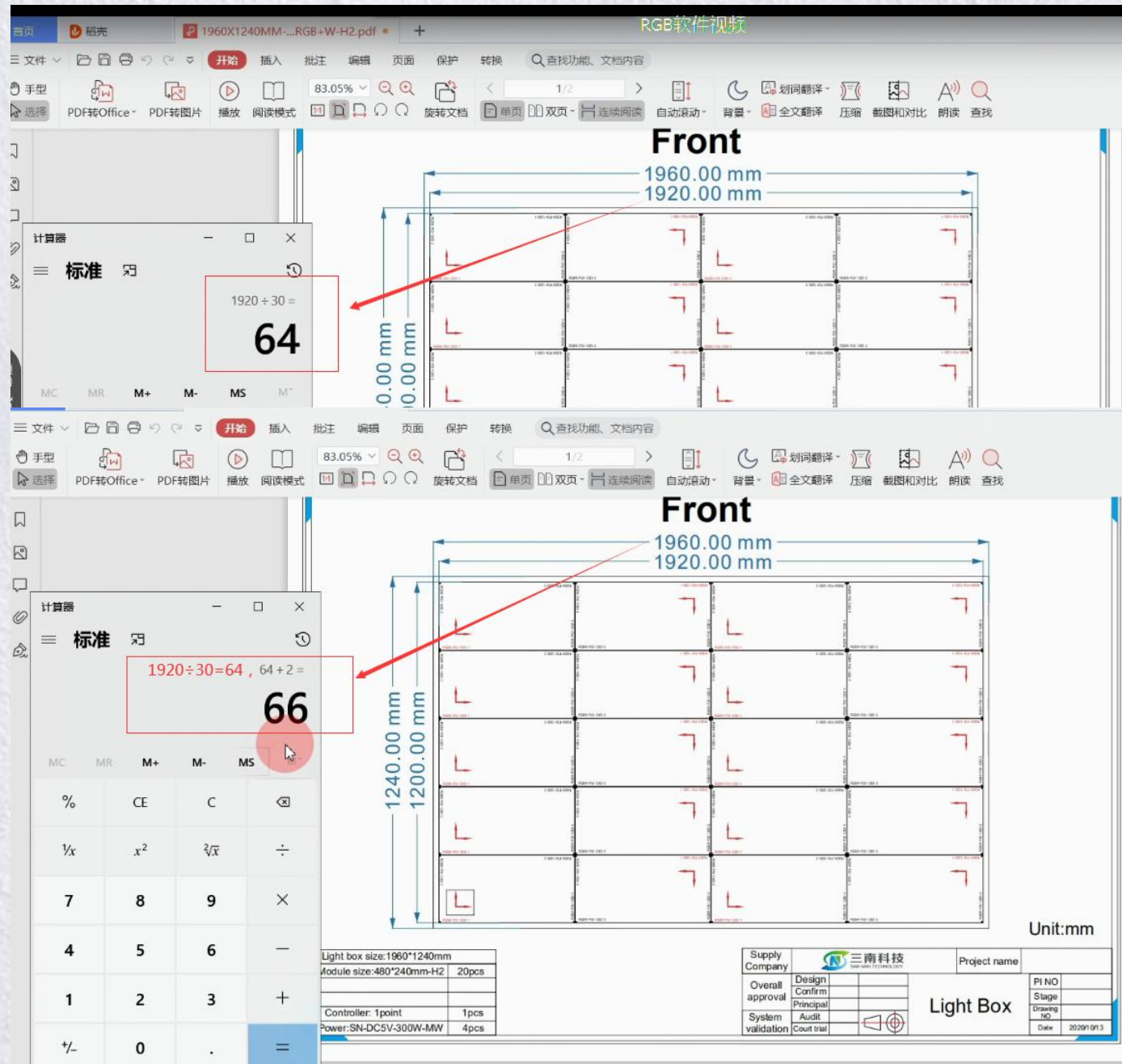
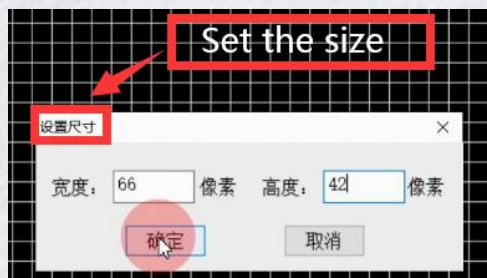
Panel light spacing (P30-RGB+W)

The distance between the panel and the aluminum frame

Height: 42 pixels

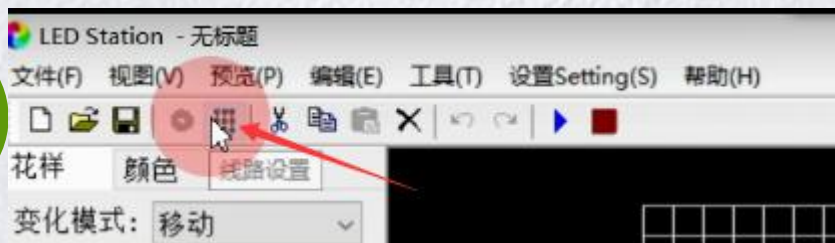
$$(1200 \div 30 + 2 = 42)$$

②The size is set as follows:

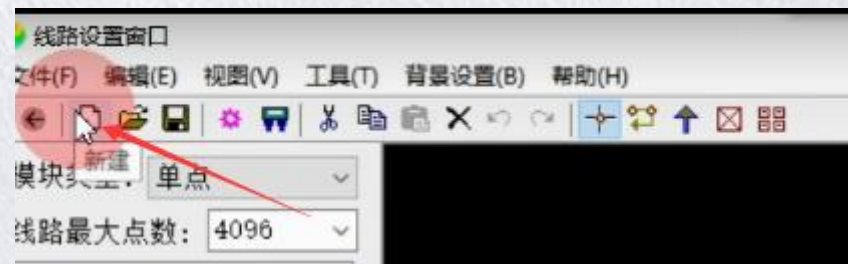


03. Confirmation of pixels

1

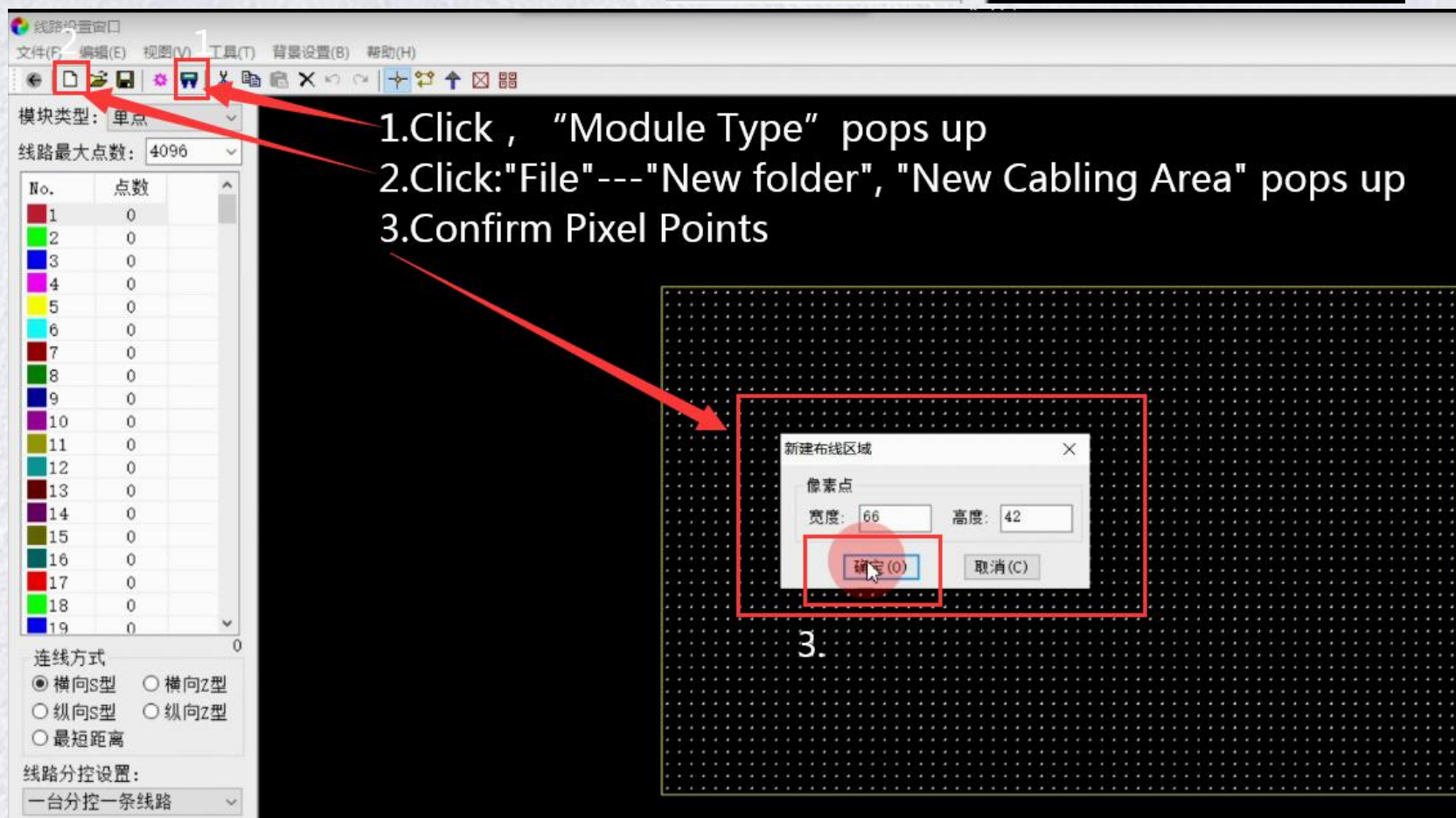


2



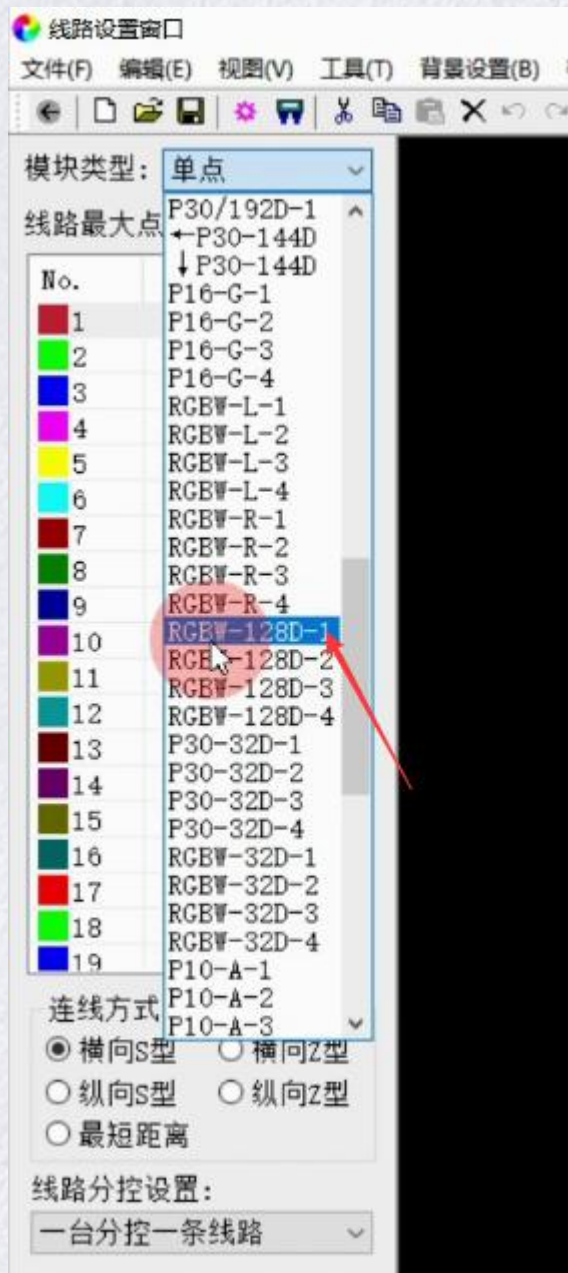
The operation steps are shown in the figure on the right:

1. Click , "Module Type" pops up
2. Click: "File" --- "New folder", "New Cabling Area" pops up
3. Confirm Pixel Points



04. Module type selection

1



2



According to the number in the lower left corner of the installation drawing of the light box panel, as shown in the figure above:

Note: Be sure to select the value that corresponds to the bottom left corner of the panel



05. Controller parameter setting

Complete the following steps and save the file as: 123.led.

Note: In Step 3, select "BRG" for RGB light box and "R" for monochromatic light box.

1. Click
2. Main controller type: stand-alone main controller
3. Lamp Type: BRG
4. Click : Application 5. Click : Exit

6. Line sub-control setting: one sub-control line

线路设置窗口

文件(F) 编辑(E) 视图(V) 工具(T) 背景设置(B) 帮助(H)

模块类型: RGBW-128D-3
线路最大点数: 4096

No.	点数
1	2560
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0

连线方式
☒ 横向S型 ☐ 横向Z型
☐ 纵向S型 ☐ 纵向Z型
☐ 最短距离

线路分控设置:
一台分控一条线路

控制器参数设置

主控制器类型:
单机主控制器

驱动芯片类型:
DMX512/LED (2L)

灯具类型:
BRG

时钟速度:
1.00 MHz

灰度级数:
256

亮度:
0

☐ 颜色取反

应用 退出

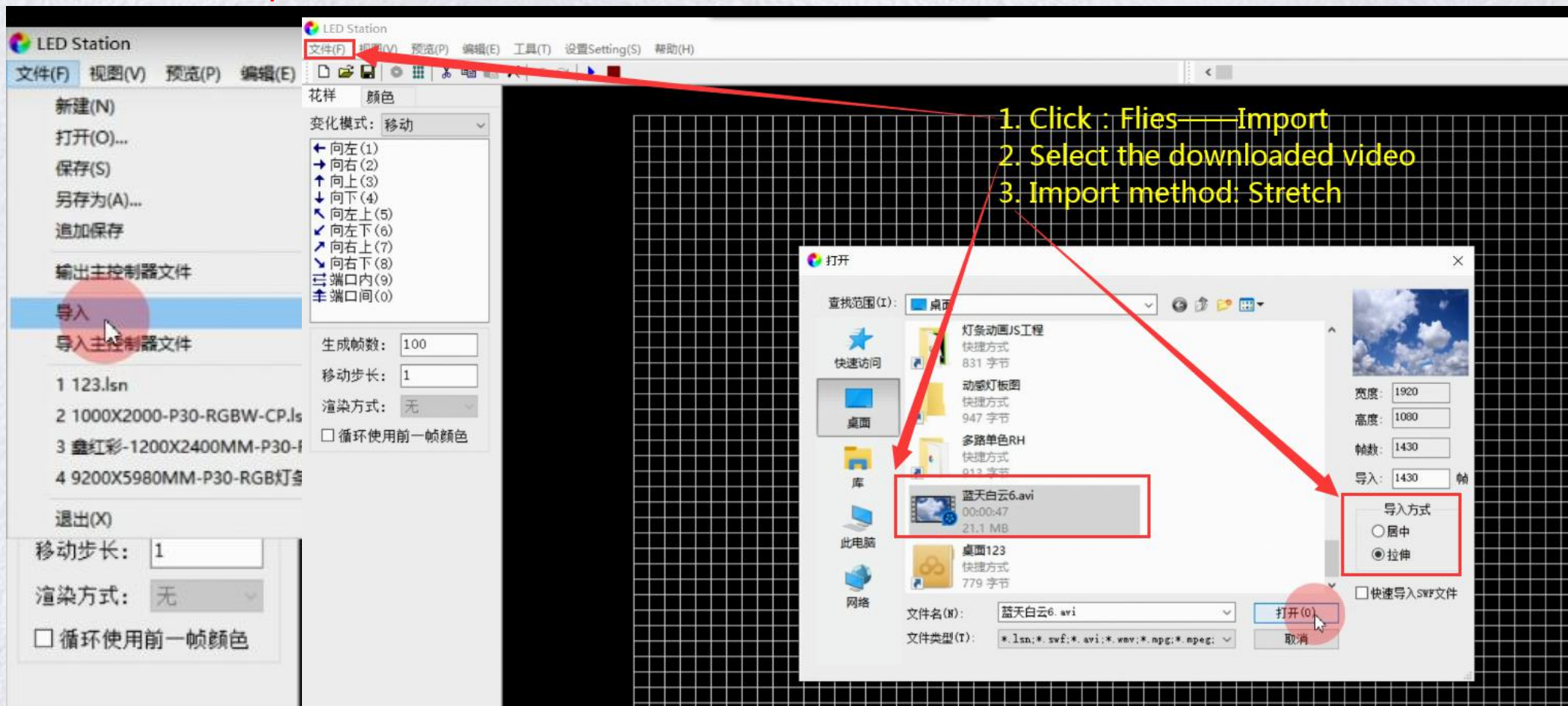
分控参数列表:

<input checked="" type="checkbox"/> 分控	灯具类型	控制类型	时钟	亮度	灰度	取反	端口	红色	绿色	蓝色	Gamma
1	BRG	DMX51	1.00	100	256	否	1	100	100	100	1.0



Note: 1. The video download format is AVI or SWF.

2. In Step 3, the video size: 1920*1080mm, and the light box size: 1960*1240mm. Since the video size is < the light box size, the "import method" selected is "Stretch".

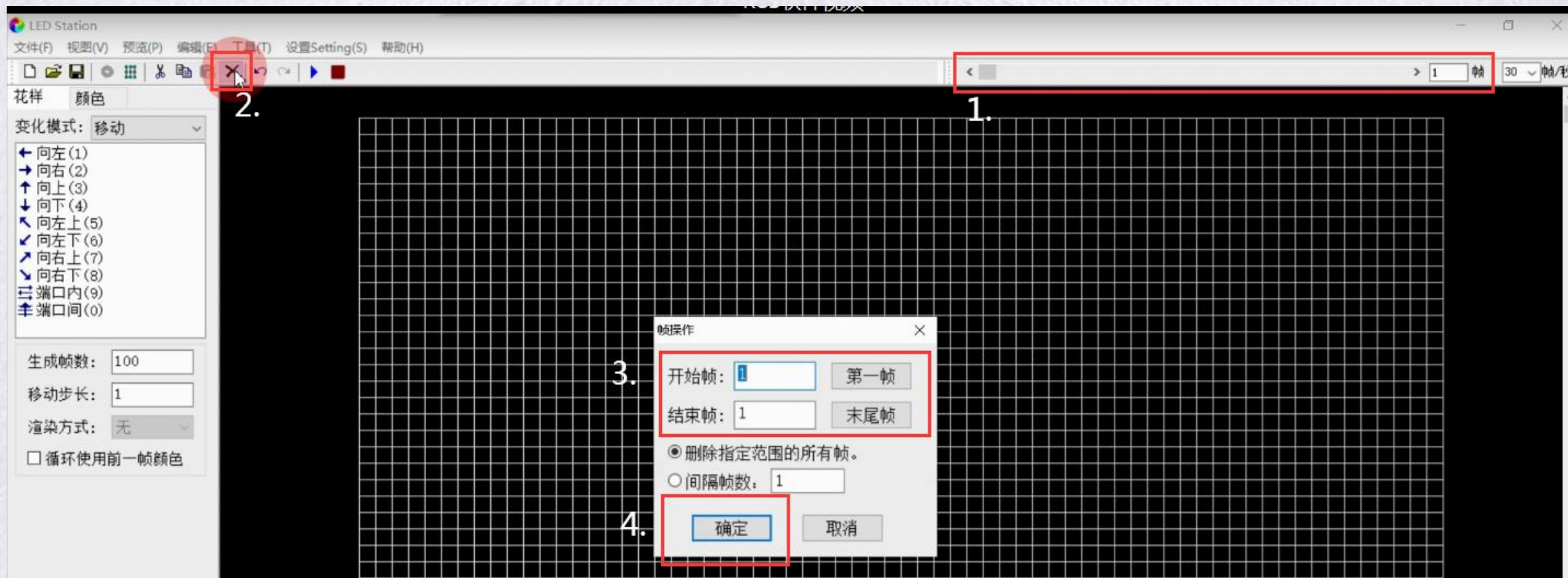




07. Video screen adjustment

When the import video is finished,

1. Check whether there are duplicate frames
2. Click to pop up "Frame Operation"
3. If there are repeated scenes in Step 1, you can delete them here. The "end frame" is the number of frames repeated between the first and the "start" frames
4. Click: Yes



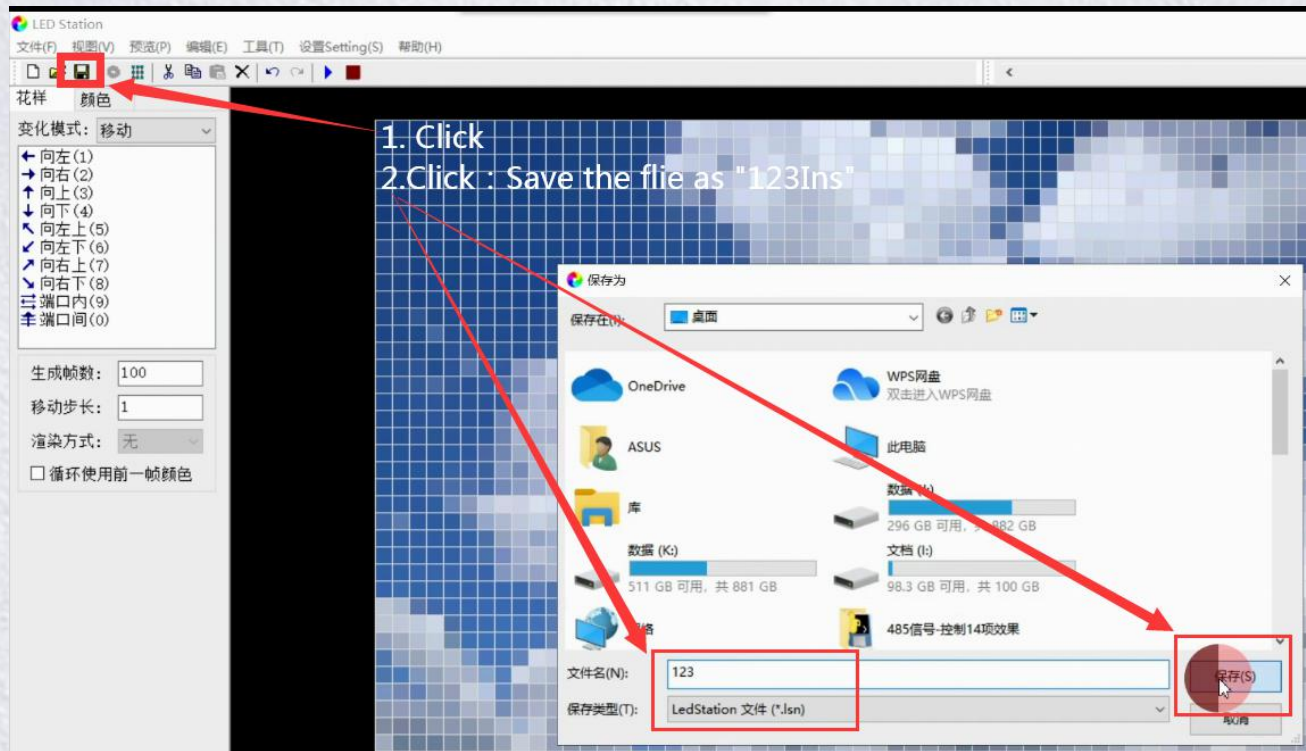
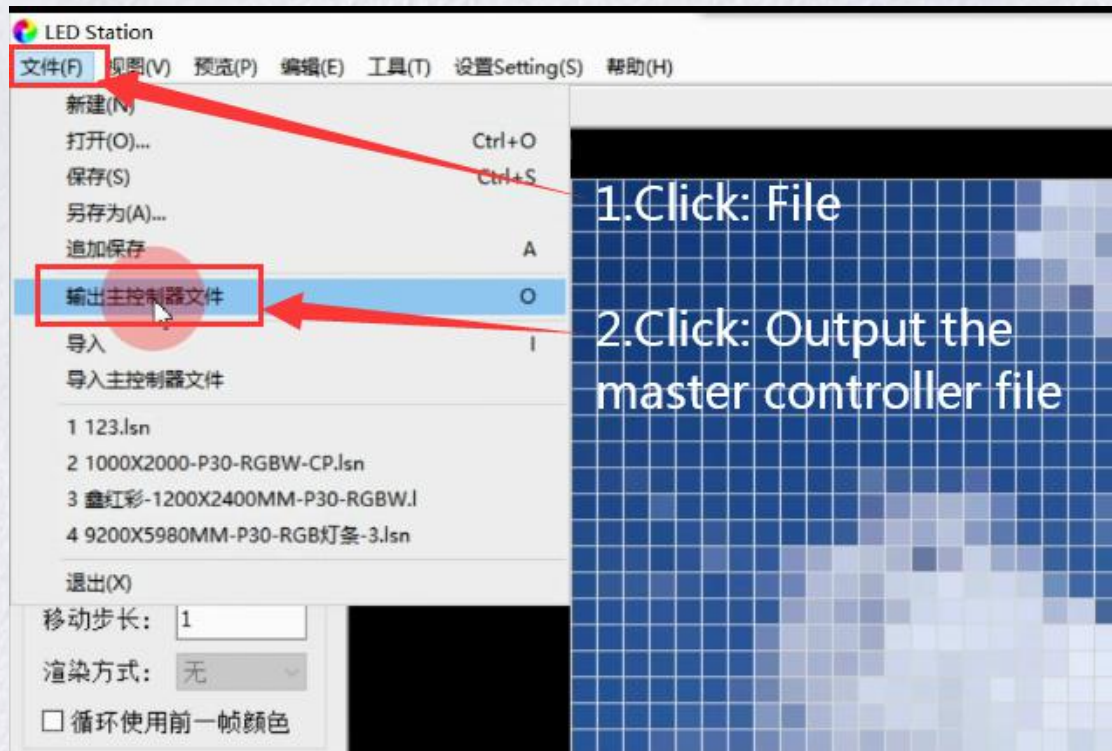
08. The output file

1

Complete the following steps and save the file as "123Inf"

2

Complete the following steps and save the file as "123Ins"





09. Output video file

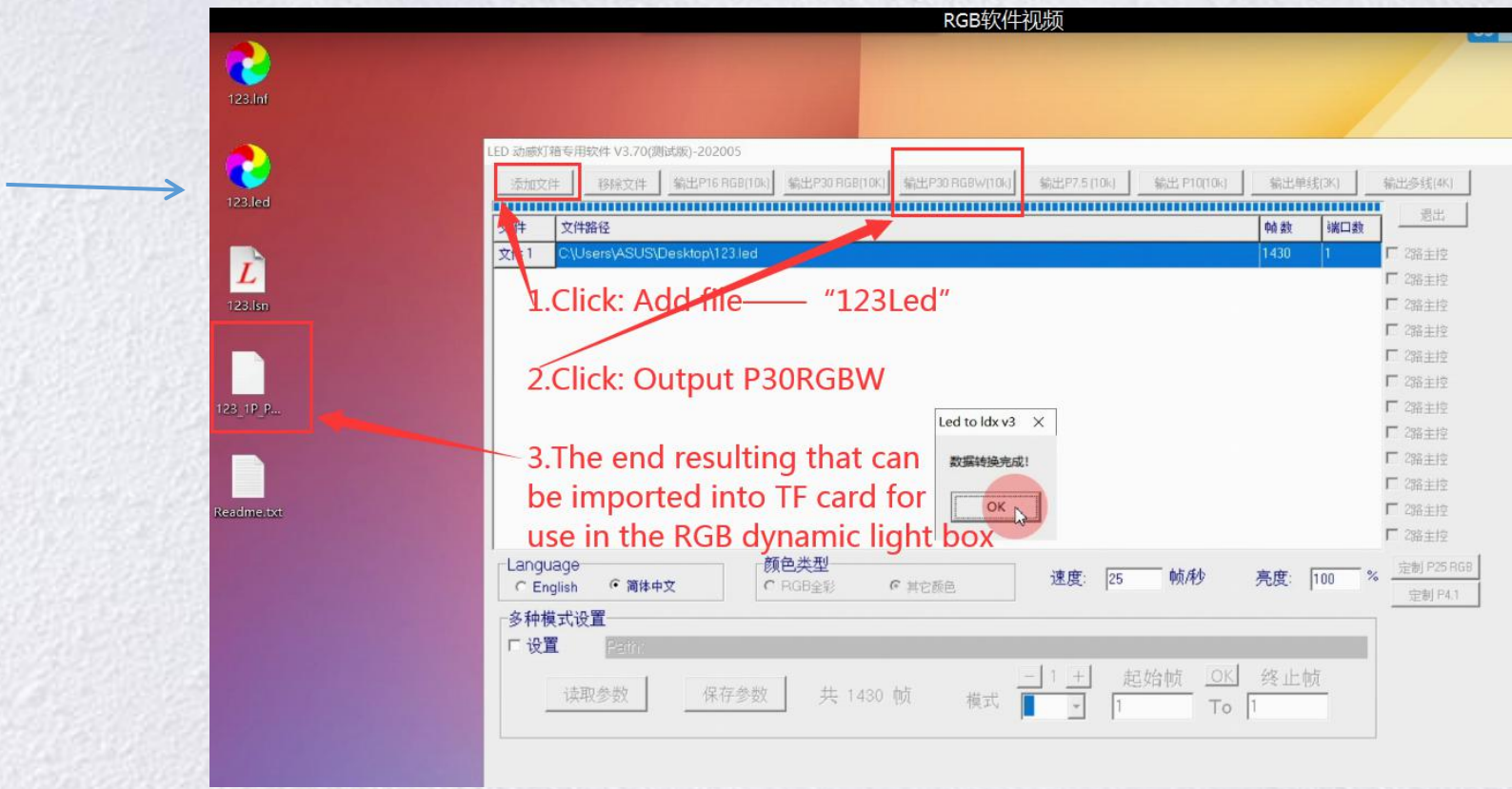
1

Open the software



2

Output mode in step 2: select the output mode according to the type of dynamic light box panel





T h a n k y o u

Author: San Nan Technology

Company: Shenzhen San Nan Technology Co., Ltd

E-mail: admin@szsnbled.com