



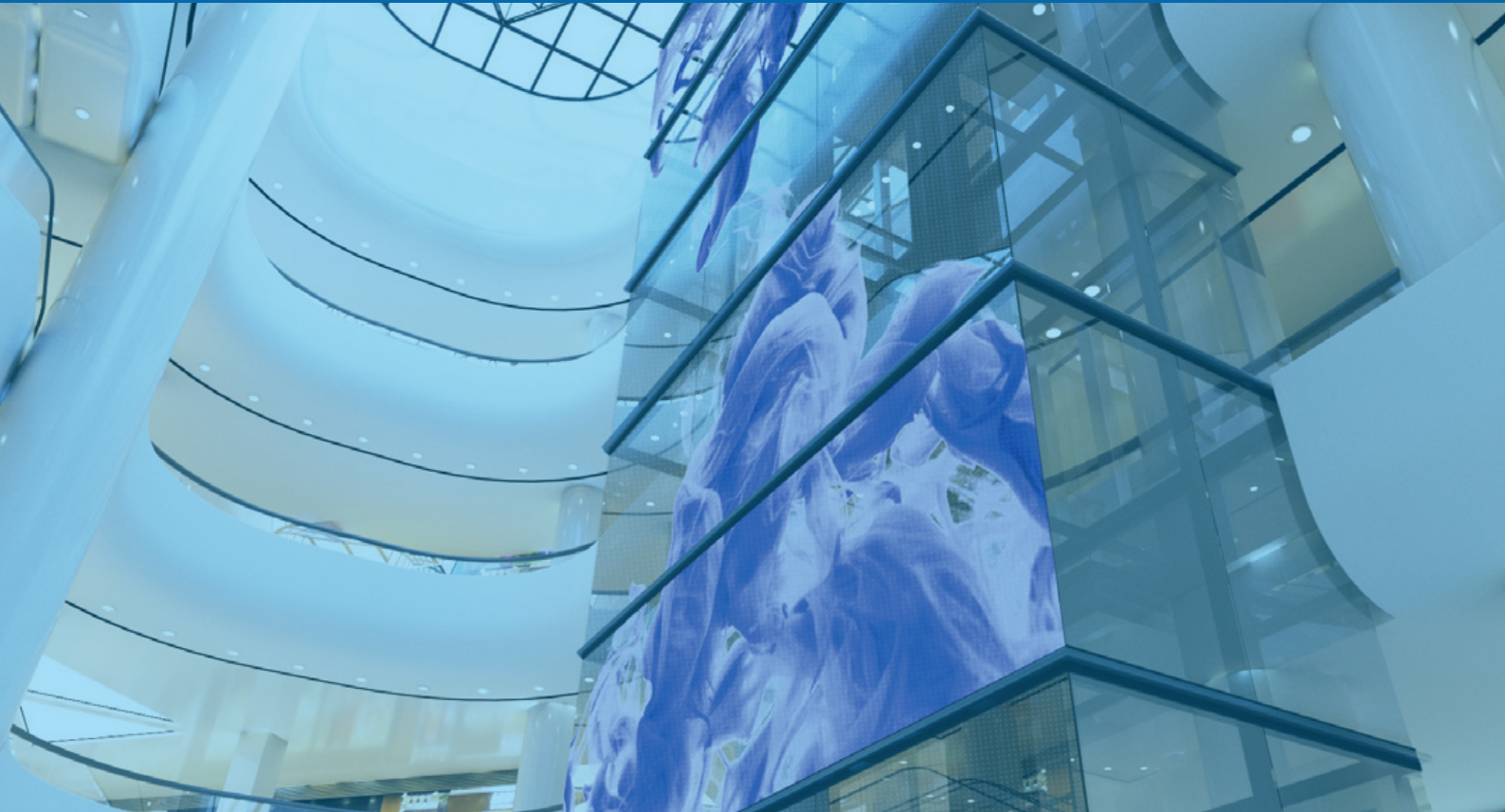
# Filmbase

Make Glass Do More

## LED Transparent Display Series



# Filmbase's fourth-generation high-transmittance transparent LED display TLD series



## 1. Product features:

- ★ The TLD series adopts 2020GGB magic lantern beads, and is composed of unit modules
- ★ Any size LED display can be formed by splicing modules;
- ★ The light transmittance exceeds 80%, which does not affect indoor wind collection;
- ★ Wide voltage input power supply: AC90-264V 50/60Hz;
- ★ Support multiple file formats: display text, image, video and other screens;
- ★ Support mobile phone, computer file WIFI, 5G remote transmission;
- ★ The whole machine provides a 3-year quality guarantee;
- ★ Widely used in glass curtain wall, quantitative lighting, advertising media, space decoration, partition decoration, home design, commercial display, functional signage;

## 2. Function introduction:

- ★ Data transmission

- ★ According to the serial port or industrial Ethernet interface data, read the corresponding text, picture, video, and display the corresponding content

- ★ Data update

- ★ Modify the display text, picture, video function through the serial port or industrial Ethernet interface

- ★ Set parameters

- ★ The function of setting the display parameters through the serial port or industrial Ethernet interface; including: grayscale, color, brightness, display speed, screen split and merge, etc.

- ★ Storage function

- ★ Store display information, communication information, fault information, etc.

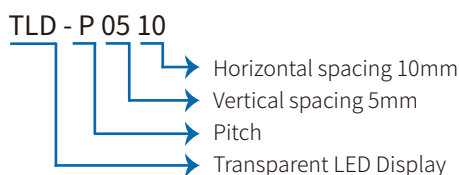
- ★ Read function

- ★ Read video transmission progress, store device content, send device data information, etc.

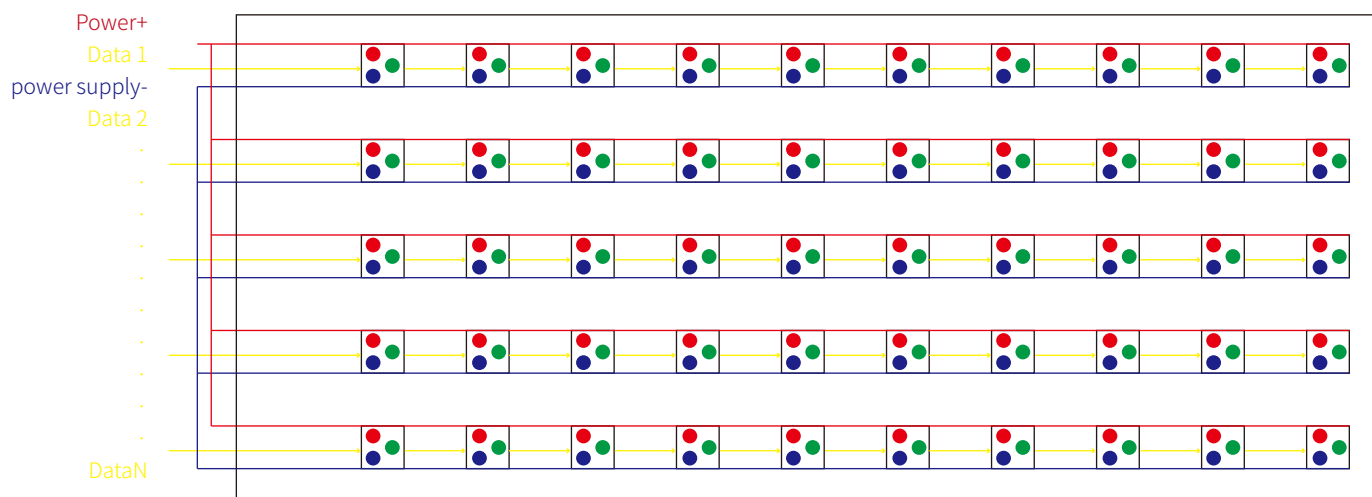
- ★ Power-on self-check function

## 3. Product model description

Product name	Product model	Pitch	Input voltage
Transparent LED Display	TLD-P0510	5.5*11	Input AC90-264V  Output DC5V
	TLD-P1010	11*11	
	TLD-P1020	11*22	
	TLD-P2020	22*22	



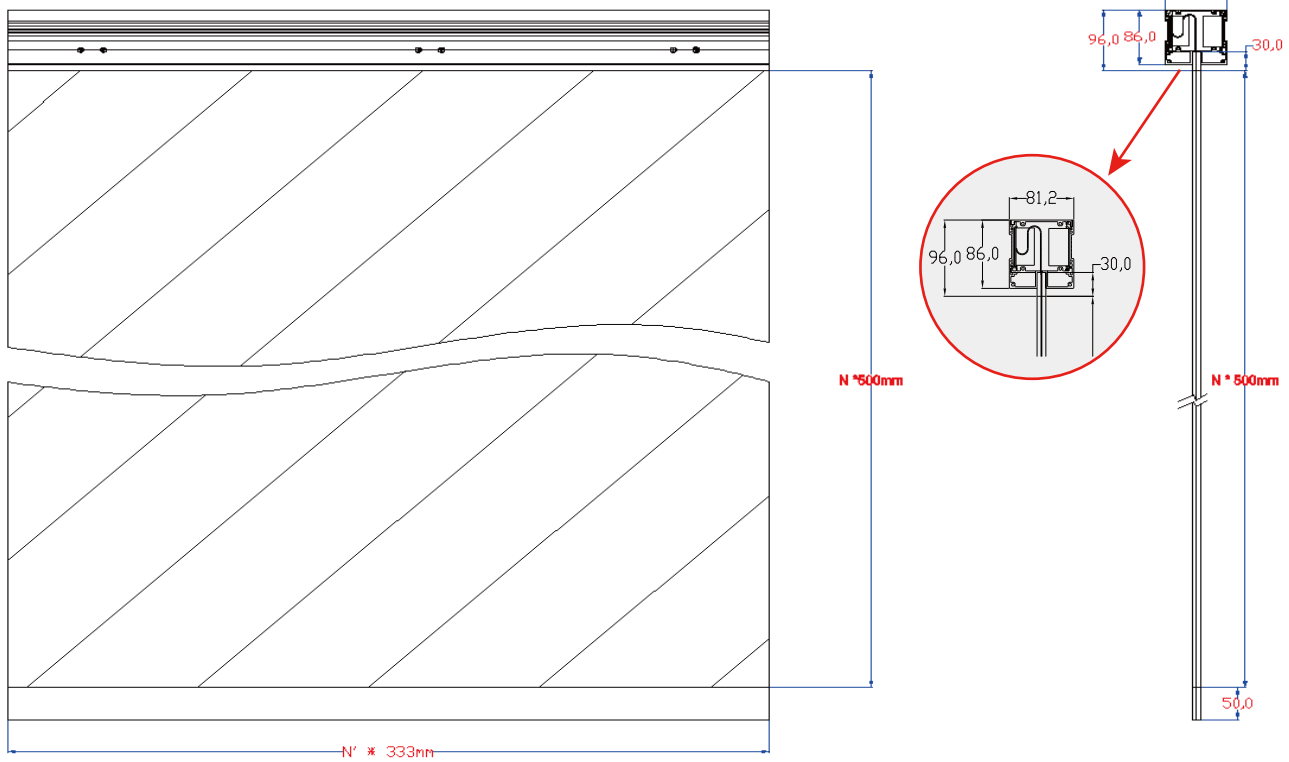
#### 4. Data transmission principle:



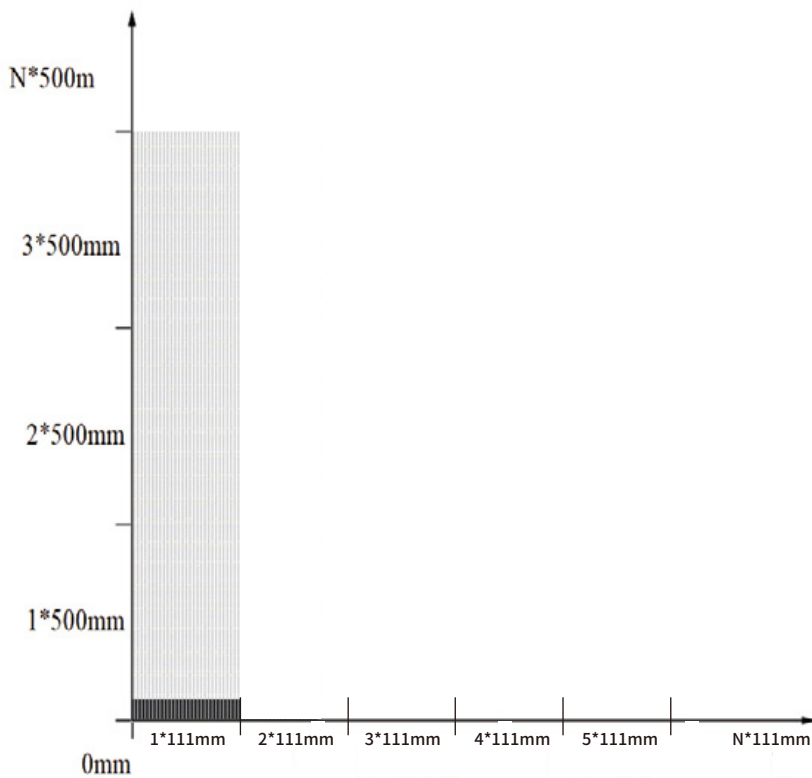
#### 5. Technical parameter:

Specifications	P5*10	P10	P10*20	P20
model	TLD-P0510	TLD-P1010	TLD-P1020	TLD-P2020
Pixel specifications	1R1G1B			
Pixel package	SMD2020			
Pixel pitch (mm)	5.5*11	11*11	11*22	22*22
Module specifications (mm)	111*500		222*500	
Chromaticity uniformity	±0.003			
Pixel density	16200	8100	4050	2025
Screen brightness	0-5000			
Gray scale	256			
Drive way	High speed 1 scan			
Refresh rate	≥ 1920			
Viewing angle	≥ 160			
Best viewing distance	≥ 7.5M	≥ 15M	≥ 23M	≥ 30M
bright adjustment	256 级			
Control System	playing box			
Video processing	multimedia			
Operating Voltage	+5VDC			
Mean square power	400W	250W	150W	80W
Maximum square power	800W	500W	300W	150W
Screen material	Tempered glass			
Operating temperature	-20~55°C			
Storage temperature	-40~80°C			
Working humidity	10-90%			
Storage humidity	5-95%			

### 6.Product Size



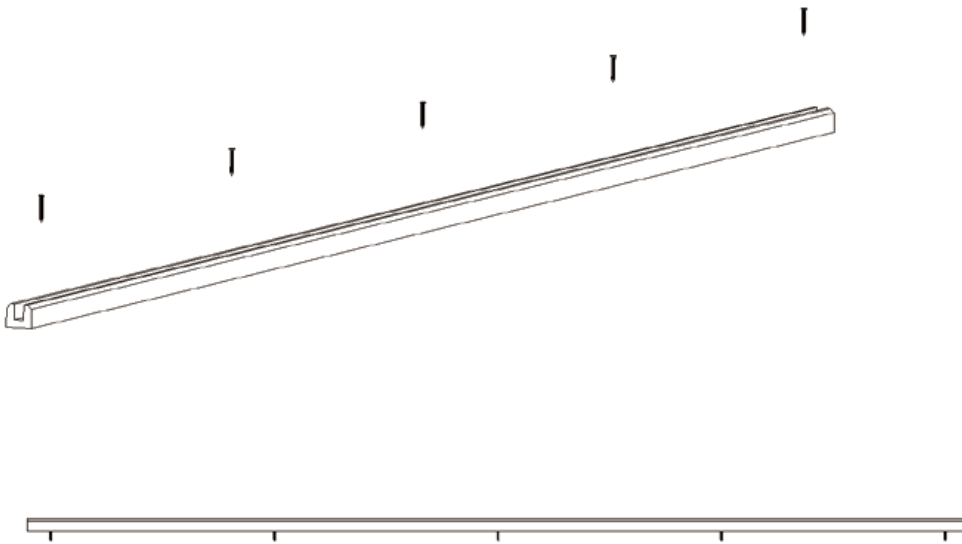
Name	L(Unit:mm)	W(Unit:mm)	H(Unit:mm)
Product Size		N '*333	N * 500+146
Power supply size	N' *333	81.2	86
Display size		N '*333	N * 500



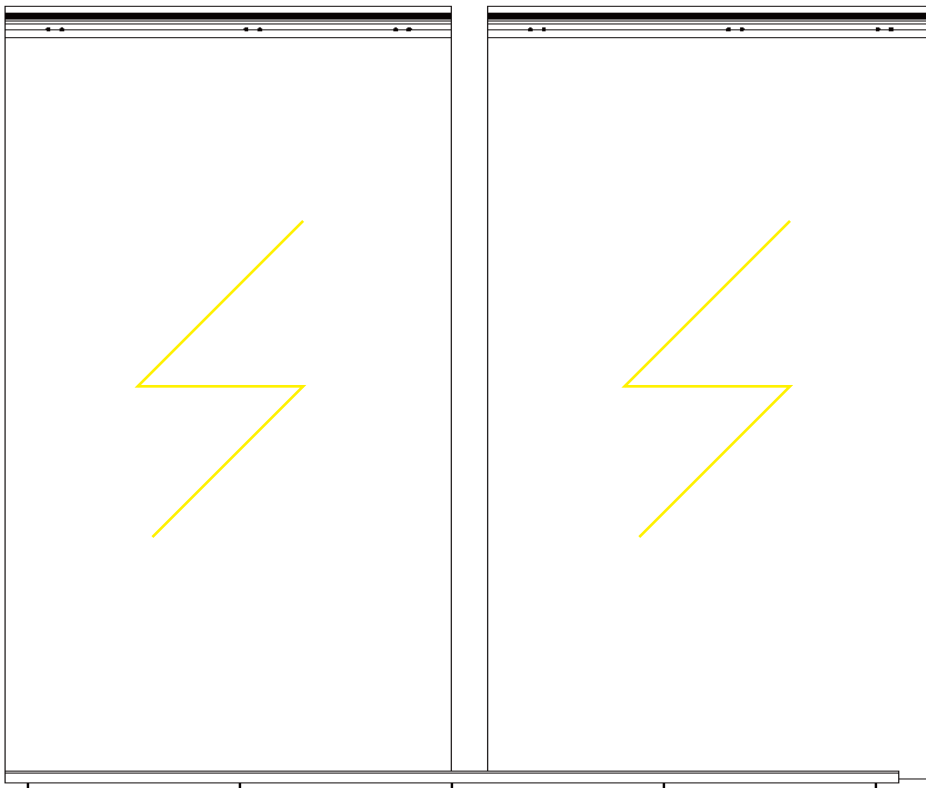
## 6. installation steps:

**Step 1:** Determine the position of the power supply box and the transparent LED screen (note that the center of the power supply box is aligned with the center of the ground fixed profile);

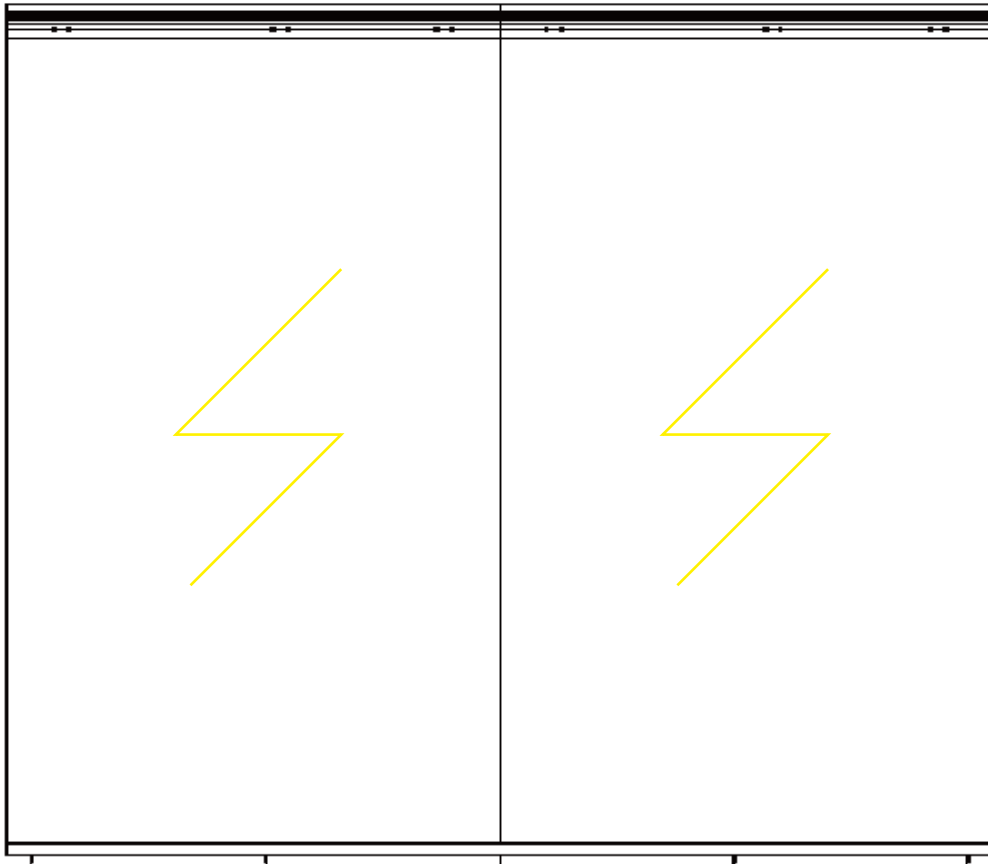
**Step 2:** Fix the fixed profile below the transparent LED display on the ground;



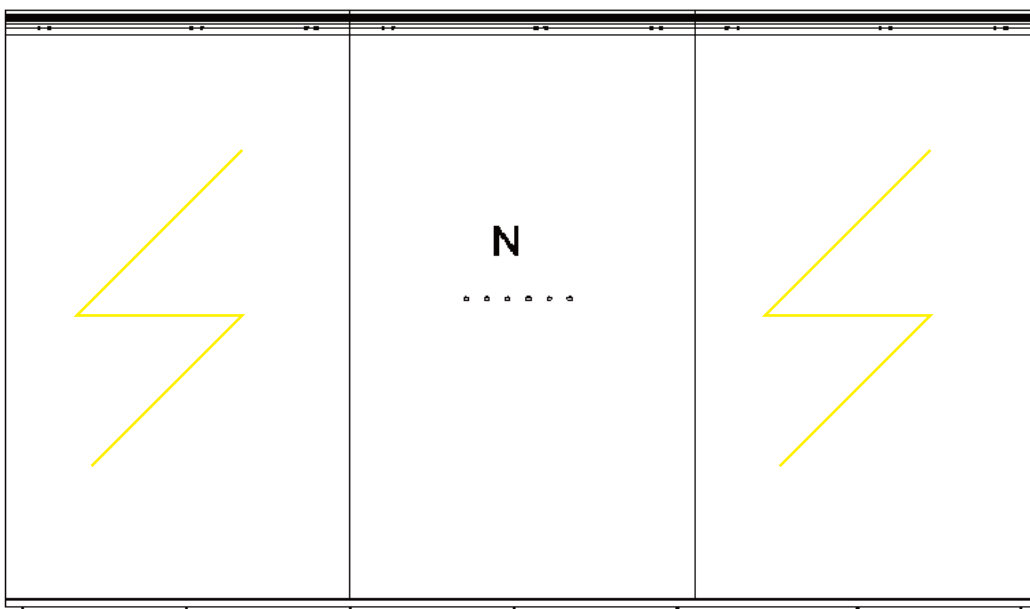
**Step 3:** Install No. 1 and No. 2 screens on the ground and ceiling in sequence, leaving 50-100mm in the middle;



**Step 4:** Use the gap between the two screens to connect the video signal cable (network cable) and the power cable, and push the screens together, paying attention to pushing gently.



**Step 5:** In the same way, load the 3rd, 4th... and the last screen in sequence;

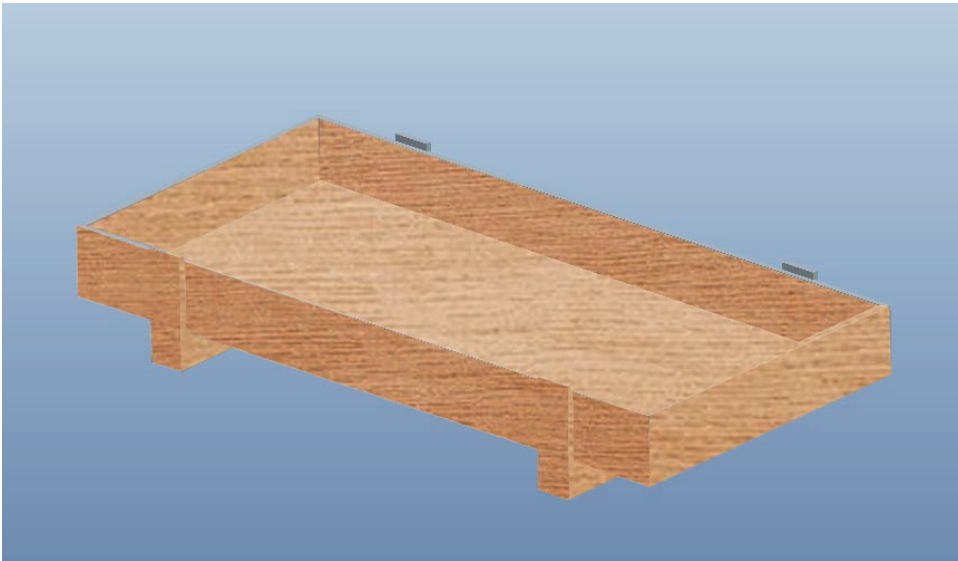


**Step 6:** Connect the power and video signal lines to the last screen, and the installation is complete.

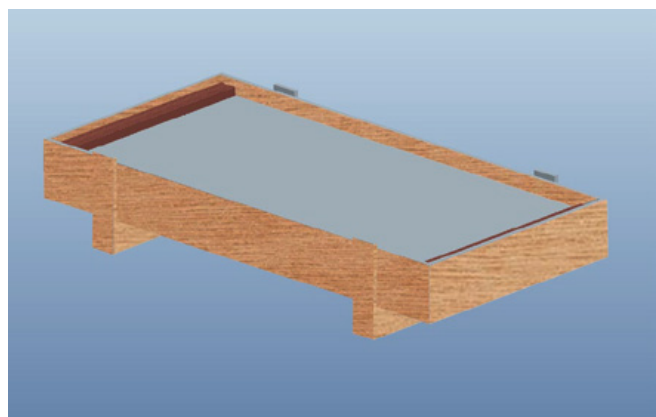
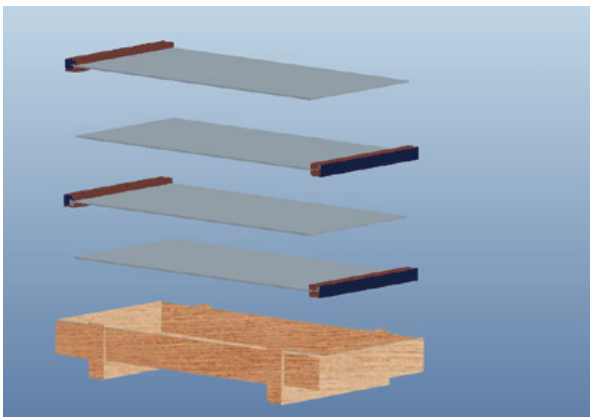
**Step 7:** Connect to a computer or use a mobile phone to test. Refer to the description of "Mobile APP Settings" for the test method;

## 7. Packing instructions

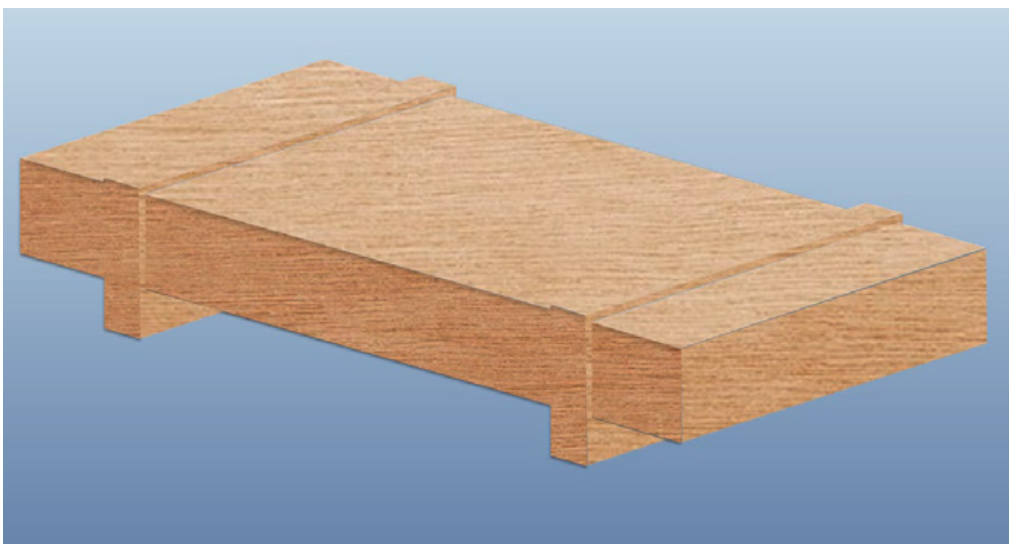
Step 1: Prepare the wooden box;



Step 2: Put the transparent LED display into the wooden box alternately, and separate it with EVA;



Step 3: Load the lid of the wooden box, and nail the reinforcement board, the package is complete;





8. Packing size (take 4 transparent LED screens as an example)

Product number	L(Unit: mm)	Width(Unit: mm)	High(Unit: mm)	Net weight (unit: kg)	Gross weight (unit: kg)
TLD-P0510	(N*500)+217	1110	382.4	N*67.5+5	According to the actual weight of the wooden box plus the net weight of the transparent LED Display
TLD-P1010	(N*500)+217	1110	382.4	N*67.5+5	
TLD-P1020	(N*500)+217	1442	382.4	N*67.5+5	
TLD-P2020	(N*500)+217	1442	382.4	N*67.5+5	

9. Precautions

- ★ Do not hit the glass;
- ★ Pay special attention to the right angles, not to be impacted;
- ★ The brightness should not exceed 25% during debugging;
- ★ Ensure that the power supply is reliably grounded;
- ★ The power input line must not be heated or deformed during use;
- ★ Support audio output (the player comes with AUX3.5 interface, just connect the speaker)
- ★ The video signal line and power line between the transparent LED display must be connected during installation, otherwise it will be reworked;
- ★ For the setting of the play box, please refer to "Mobile APP Play Box Setting Instructions"





## 10.warranty

- ★ Provide two-year free warranty and lifetime maintenance services for the products sold
- ★ After one year, a certain cost will be charged for the maintenance and replacement
- ★ Provide corresponding technical support and technical cooperation for the products sold, and guarantee 24-hour technical hotline service
- ★ When installing and using the product, please strictly follow the installation instructions and precautions in the product manual, and install and use it in accordance with the product manual. In the event of material and manufacturing quality problems during normal use, Filmbase will provide warranty services in accordance with this quality warranty policy.
- ★ Filmbase provides online remote free services:
  - ★ For common simple fault problems: Filmbase provides remote technical guidance through instant messaging tools such as telephone, email, and remote software to help solve problems in the use of the equipment. Including but not limited to the connection problems of signal lines and power lines, system software problems of software use and parameter setting, and replacement of modules, power supplies, and system cards.
  - ★ When the online remote service cannot solve the problem, Filmbase will confirm with the customer whether to return to the factory for repair.
  - ★ If you need to return to the factory for repair, the customer can ship the product or parts that need to be repaired to the Filmbase production factory, and the customer bears the return shipping, insurance, customs and customs clearance costs. After the repair is completed, Filmbase will send the product or parts back to the customer, and only bear the return shipping cost.
  - ★ Filmbase does not accept pay-to-delivery parts, nor is it responsible for any customs duties and customs clearance costs incurred when returning repaired parts to customers. Filmbase is not responsible for damage and loss caused by transportation and packaging.
  - ★ If Filmbase provides engineers with on-site guidance for installation, commissioning, and maintenance, customers need to pay for travel, accommodation and other living expenses;

## 11. Disclaimer

★ Unless otherwise agreed, this warranty does not apply to consumables, including but not limited to connectors, networks, cables, optical cables, cables, power cables, signal cables, aviation connectors and other wire connection objects.

★ All or part of defects, malfunctions or damages caused by improper use, improper handling, improper operation, improper installation, disassembly of the display or any other improper behavior of the customer. And defects, malfunctions or damages caused by transportation.

★ Unauthorized disassembly and repair without the permission and authorization of Filmbase.

★ Failure to operate and maintain the product in accordance with the product manual.

★ Man-made damage, physical damage, accident damage and product misuse damage, such as component defect damage, PCB board defect, etc.

★ Product damage or malfunction caused by force majeure, including but not limited to force majeure events such as war, terrorist activities, floods, fires, earthquakes, lightning, etc.

★ The product should be stored in a dry and ventilated environment. Any product defect, malfunction or damage caused by storage in an external environment that does not comply with the product manual, including but not limited to: extreme weather, humidity, salt spray, pressure, lightning, sealed environment, compressed space storage, etc.

★ Use the product under conditions outside the product parameter range, including but not limited to lower or higher voltage conditions, extreme or excessive power surges, and inappropriate power conditions.

★ During the installation process, defects, failures or damages caused by non-compliance with technical guidelines, instructions or precautions.

★ Natural loss of brightness and color under normal conditions.

★ The product lacks necessary maintenance.

★ Other repairs not caused by product quality, design, and manufacturing.

★ Inability to provide a valid warranty card, the product serial number sealing tape is torn off or damaged, the product shell or other external parts are damaged, or other valid certificates cannot be provided.

★ Issues after the warranty period.

★ For products that are not repairable due to improper operation, accidents, improper maintenance, and non-compliance with product specifications.

★ Filmbase products cannot work normally due to the mismatch between the playback and control equipment provided by non-Filmbase and Unilumin products. The Filmbase product is damaged due to the problem of the playback and control equipment provided by non-Filmbase and the Filmbase product does not match. If the Filmbase repair is required, the charging standard shall be executed in accordance with the contract.

★ Filmbase reserves the right of final interpretation of the above terms.

## Shenzhen Filmbase Technology Co.,Ltd

### Filmbase Address

Office HQ: 31F, 3A Building,Smart Park,Baolong,Longgang,Shenzhen ,China

Tel: +86-75528505346 Fax:+86-75584651406

Email: [info@smartfilmbase.com](mailto:info@smartfilmbase.com)

Factory: Building2#,Huaqiang Industry Park. Baolong . Longgang. Shenzhen,China

Tel: +86-75528505346 Fax:+86-75584651406

Mobile& WhatsApp :+86-19129308937

Email :[Grace@smartfilmbase.com](mailto:Grace@smartfilmbase.com)