

User Manual Of LED Holographic Invisible Screen Poster



I. Precautions of Poster Screen

1、Precautions.

- Follow the operation steps in this instruction, and read the instruction carefully before using our products;
- Transport and install this product with care to avoid collision or vibration. Improper transport and installation will cause damage to the LED holographic screen;
- To prevent the product from scratching and damage, do not scratch the LED modules with sharp and hard objects;
- Place the product on a flat ground during installation;
- Connect all power cables, partial connection can start the screen, but results in damage;
- Handle the modules carefully during dismantling, fractured modules can only be replaced.

2、Use and maintenance.

- Assign professional technicians to perform monthly on-site inspection and maintenance;
- Avoid using the product in environment of high temperature, high humidity, strong acid or alkali;
- Avoid violent collision during handling to protect the product from damage;
- Do not use the product for a long time in poor heat dissipation environment;
- Cut off the power immediately once water gets into the screen, do not use the product until all components are completely dried;
- Inspect the power supply interface to avoid wrong connection;
- Inspect the cables regularly to protect the interfaces from loosening and insects biting.

3、Important safety instructions.

1. To avoid possible danger, you are required to use this equipment according to regulations. In case of damage, non-professionals shall not open the equipment for repair without authorization, and shall contact our after-sales service in time.
2. Warning:
 - Keep the product away from water, and also do not place any objects containing liquid on the product;
 - Keep the product away from fire to prevent from burning;
 - Cut off the power immediately in case of strange noise, smoke or odor;
 - Abide all electrical safety standards on site;
 - Connect the product to power supply equipment against electric leakage and failure;
 - Transport, operate and store the product under wanted temperature and humidity;
 - Clean the product with soft cloth with a little neutral cleaning solution in maintenance;
 - Use specified accessories and have them installed and repaired by professionals;
 - Never do live-line work when dismantling the product.

4、Product certification.

Please confirm and check with the relevant sales personnel of MUXWAVE For the certification of the products sold to the relevant countries and regions. Should you have any questions, feel free to contact MUXWAVE personnel at the first time for solution. The customer shall bear the relevant legal risk, if any, caused by use of the products.



II. Description of Poster Screen

1、Product Description

Borderless Invisible Poster Screen, standard all-in-one machine, easy to install, plug and play.

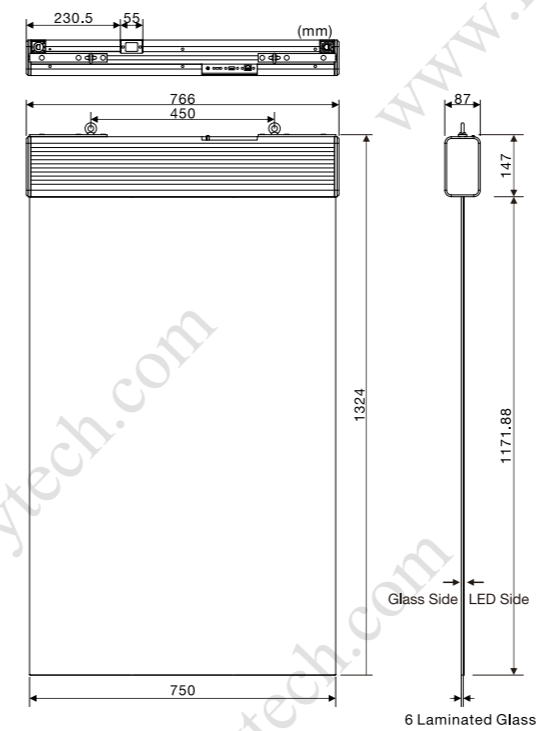
MUXWAVE Borderless Invisible Poster Screen, is ultra-thin and invisible. It does not block light and view. It is a standard product with easy installation, with built-in sending card and one power supply cable, it supports plug and play. It can be used both in single piece and in combination, and the various sizes are 55", 70", 100" and 130". It can be widely applied in scenarios including retail, commercial shopping center, government, and company showroom.



2、Profile Dimension Drawing

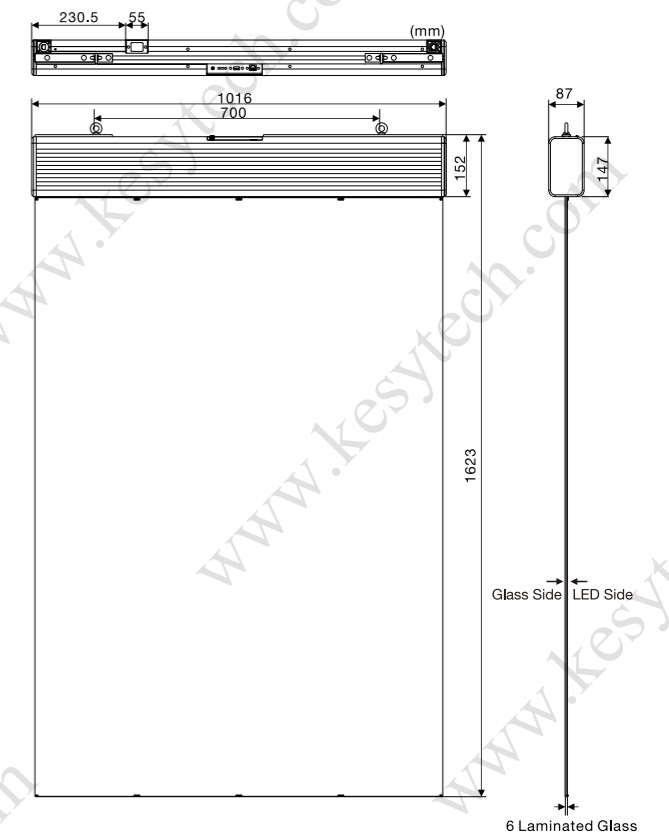
▼ 55" External dimensions

Module Dimension
766*1324*87mm/192*300Pixel



▼ 70" External dimensions

Module Dimension
1016*1623*87mm/256*376Pixel

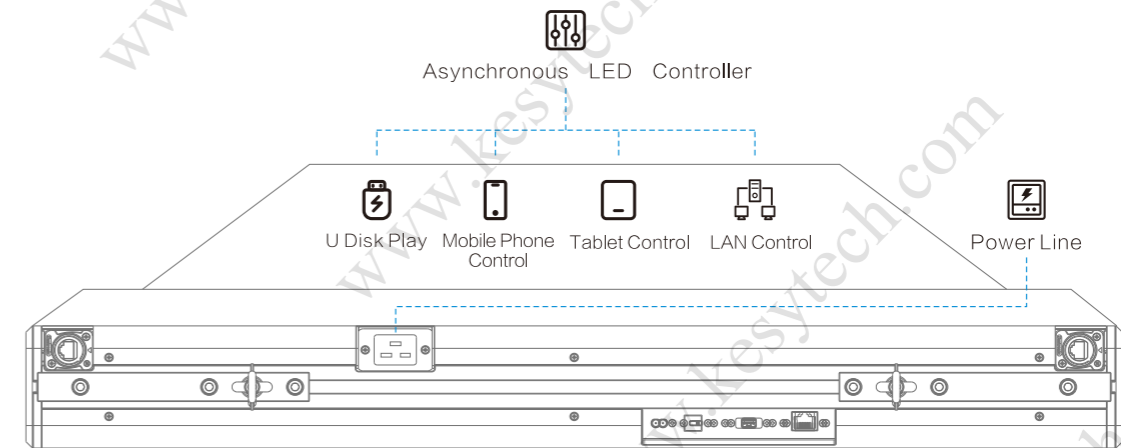


3、Specifications

Model	P3-55	P3-70
Pixel Pitch (mm)(Horizontal / Vertical)	P3.91/P3.91	P3.91/P3.91
Pixel Density(dot/m ²)	65536	65536
Transparency Rate	80%	80%
Display Dimension (mm) (w*h)	750x1175	1000x1500
Profile Dimension (mm) (w*h)	766x1324x87	1016x1623x87
Resolution (dot) (w*h)	192x300	256x376
Brightness(cd/m ²)	≥3000	≥2000
Weight(Kg/set)	27	37
Scanning Mode	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)
Encapsulation Type	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated
Lifespan	≥100,000.00 hours	≥100,000.00 hours
Pixel Configuration	16bit	16bit
Maximum Power Consumption (w/set)	660	660
Average Power Consumption (w/set)	240	240
Control System	Asynchronous LED Controller	Asynchronous LED Controller
Input Voltage	AC100-240V 50/60 Hz	AC100-240V 50/60 Hz
Working Voltage for Module	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V
Working Temperature	Temperature -20℃ -50℃	Temperature -20℃ -50℃
Working Humidity	Humidity: 20% -85%(Without Condensation)	Humidity: 20% -85%(Without Condensation)
Storage Temperature	Temperature -20℃ -60℃	Temperature -20℃ -60℃
Storage Humidity	Humidity: 10% -85%(Without Condensation)	Humidity: 10% -85%(Without Condensation)
Protetion Degree	IP 20	IP 20
Packing size (mm)	L1437*W867*H170	L1736*W867*H170
Installation Environment	Indoor	Indoor
Packing Way	Pearl Cotton+Carton/Flight Case	Pearl Cotton+Carton/Flight Case

Statement: The relevant parameters in the table are subject to real-time update, and the data is for reference only. Upgrade will be made without further notice.

4、System Topology



Selection of Control System: Our products support Colorlight/NovaStar' s LED Control Systems. Colorlight LEDVISION Version 7.9 and NovaStar NovaLCT Version 5.4.4.6 are customized software for our company, software download from the official websites don' t support the configuration files. If you have special needs, please contact related sale members of MUXWAVE, we apologize for any inconvenience caused.

III. Instructions for Installation and Operation

1. Accessories List

Poster Screen: 1 Set



AC Power Input Cable: 1 Pcs



Config Cable: 1 Pcs
USB-A to USB-B Cable



or USB-A to USB-C Cable



CAT-5e Network Cable 2m: 2 Pcs



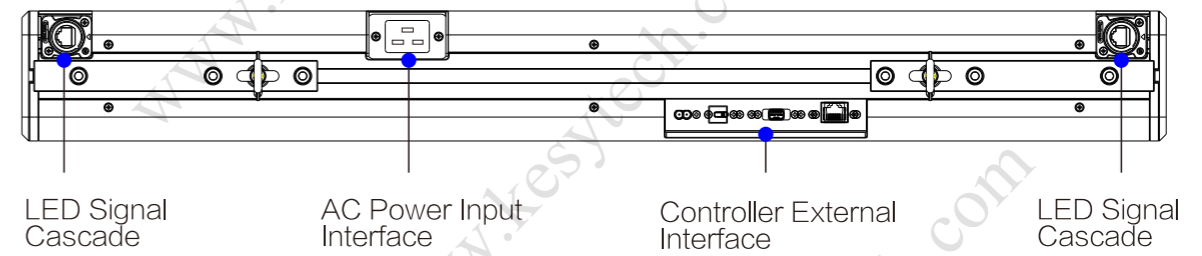
WiFi Antenna: 1 Pcs



Wire Rope

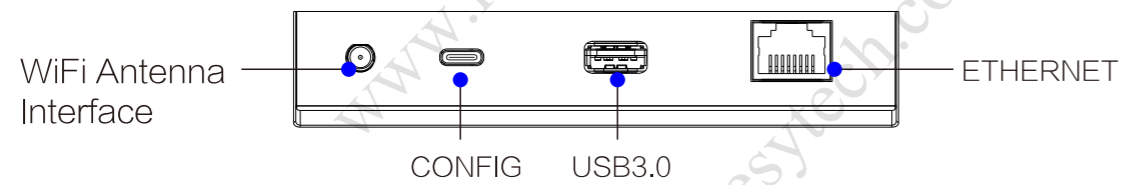


2. Poster Screen Interface & Function Description



No.	Name	Description
1	LED Signal Cascade	By adjusting internal signal cable, multiple Poster Screens can be cascaded by Ethernet Cable, therefore the whole image can be separated to each screen
2	AC Power Input	AC100~240V 50/60Hz
3	Controller External Interface	Internal asynchronous controller, external interfaces are easier for controlling and updating programs

3. Description of Internal Controller's Interfaces



▲ Description of Internal NovaStar T10 Controller's External Interfaces

No.	Name	Description
1	WiFi Antenna Interface	External WiFi Antenna Interface
2	CONFIG	NovaStar: USB-C Colorlight: USB-B For device controlling, screen parameter setting and program publishing
3	USB 3.0	USB-A, support USB3.0, for USB Disk program updating
4	ETHERNET	100M Ethernet Interface, for connecting the upper computer system to the controller, or connect the device to the LAN for program publishing and screen controlling

4. Precautions:

Before using the equipment, read all safety precautions to ensure that the product is safely and correctly used!

- To prevent personal accidents, do not open the cover, and no one other than our technicians is allowed to open the upper cover of the equipment.
- It is required to use the power supply and accessories approved by the manufacturer. The product supports DC12V power input. The power adapter provided together with this product should be used.
- It is required to protect functional interfaces against contact with other charged objects, because this product is an electronic product. Functional interfaces in contact with other live objects may cause damage to circuit components, thus affecting the normal use of the product.
- Keep away from flammable and explosive materials and other dangerous goods. Do not operate and use this product in an flammable and explosive environment!
- This product is not water-proof. Do not use the product with direct contact with liquid or in a wet environment.

Safety protection measures

To avoid personal injury and equipment damage, please abide the safety instructions of T10 controller.

Unpacking and inspection

After unpacking, check against the enclosed packing list, and contact the corresponding sales personnel in time in the event of any incomplete accessories.

IV. Control System of Poster Screen

1. Connect the Poster Screen

Step 1. Connect the power supply correctly for the screen.

AC plug must not be loose. Confirm whether a normal voltage is available before powering on.

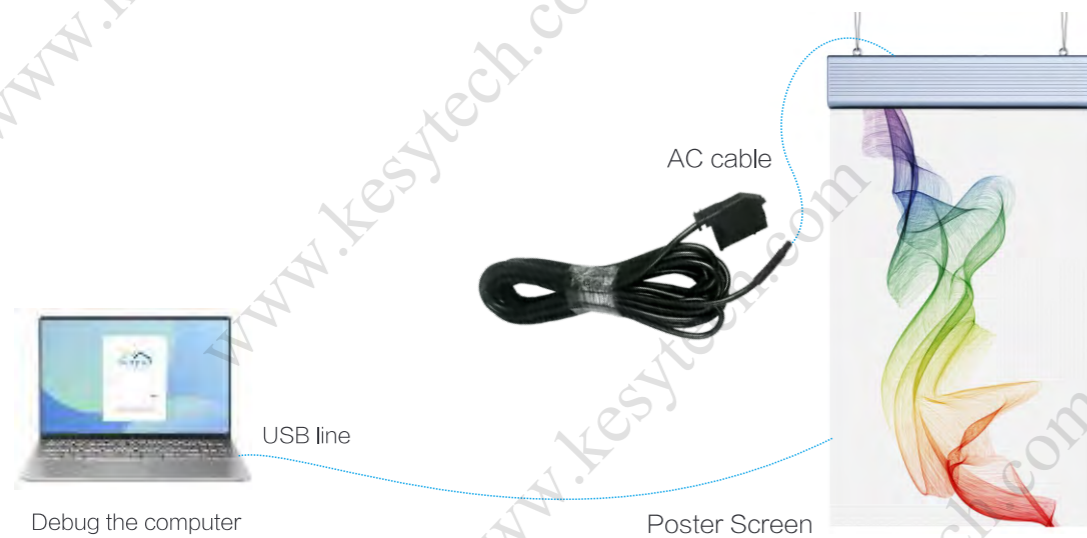
1. Turn on the screen

Firstly, please turn on the video controller or processor, after successful operation, then turn on the power supply of the screen.

2. Turn off the screen

Firstly, please turn off the power supply of the screen, then quit the control software, and turn off the control computer.

Step 2. Connect the USB debugging cable and set the poster screen to display the screen content.



2. Asynchronous control

Asynchronous control system, also called offline control system, stores the display data edited by the computer in the display control system in advance. The normal display of LED display screen will not be affected after the computer is powered off. Simply put, a control card is used and the content is edited with a mobile phone/tablet, or a USB flash drive is used to include the content in the control card. The display screen is only controlled by a control card, dispense with computer control.



Schematic diagram of asynchronous control system

3. Mobile phone editing and sending program page (Mobile phone APP: ViPlex Handy)

01、 Turn on the mobile phone to set up WLAN and connect the hotspot with word AP+SN. For example, connect the hotspot with the name “AP10018461”, and enter password “12345678”.



02、 Open the APP “Viplex Handy” on the mobile phone, enter the user interface, and click “Local Program” to enter program editing.



03、 Click “+” to set the width and height of the resolution of the screen (the same as the screen resolution, here set 64*300 as the example), click “complete” to enter the next user interface



04、 Set the width and height as the actual resolution of the screen, click “complete” to enter the next user interface.



05、 Add different types of programs and materials according to the actual needs. After selecting the materials. Click “complete” to enter the next user interface. Click “Upload” in the upper right corner of the program to enter the next user interface.



06、 Select the used control box, and then click “publish” in the upper right corner of the program. Wait for the progress bar, see whether the content played on the screen is correct or not, if correct, the sending of the program by the mobile phone is completed.



4、Synchronous playback settings on the computer (Computer software: ViPlex Expree and NovaLCT)

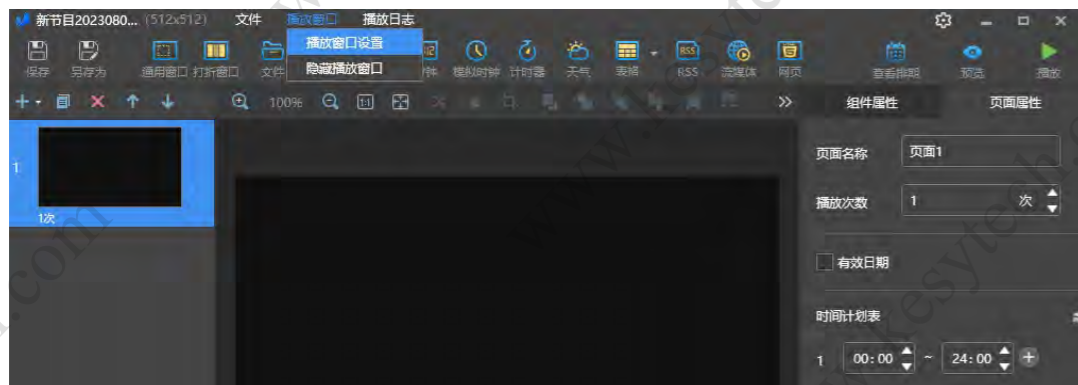
01、Open “ViPlex Expree”, click “Setting” in the upper right corner., and then click “Operation Mode” – “Local Play”, then to the next user interface.



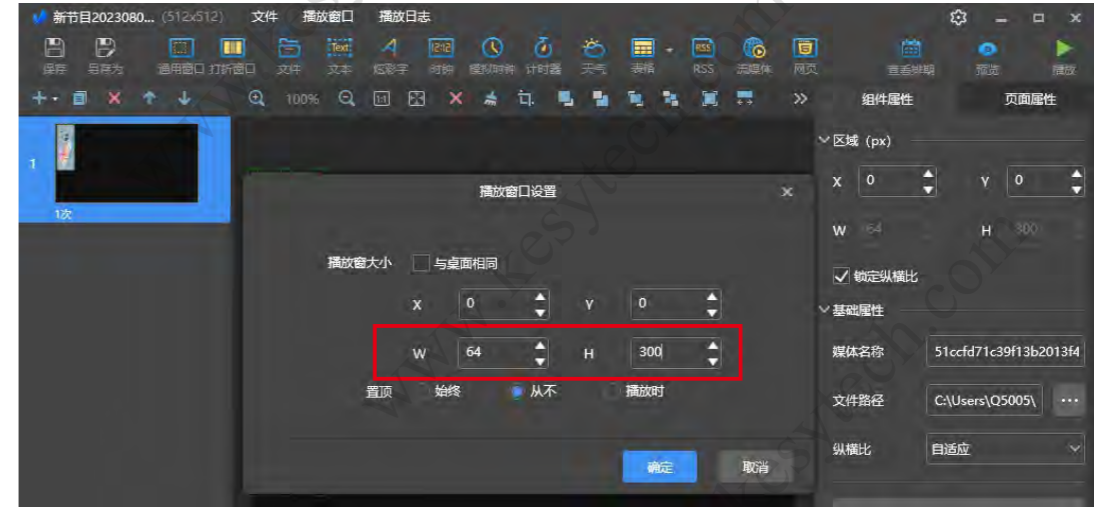
02、Click “Program” – “Normal LED Screen” to the next user interface.



03、Click “Play Window” to enter the pulldown menu, and then click “Play Window Setting” to enter the next user interface.



04、Set the resolution width and height (actual resolution of the screen) (here set 64*300 as the example).



05、Select the file in the “Media Playback Taskbar”, click the “Maximum Display”, and then click “Play”, hence it is done for the synchronous playback setting on the computer.

