



IQ LED Digital Poster- F series

User Manual





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1. Safety Guide



Warning !

Before installation, power supply setup, operation, and debugging of this product.

Be sure to read the safety measures in this section.

The following marks are used to mark important safety signals in this product and manual.



Warning ! Flammable danger	Warning ! Surface scorching, Don't touch	Warning ! Dangerous voltage!	Warning ! Read the manual before operation	Warning ! Harm to eyesight	Warning ! Equipment safety risk
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Warning : Be sure to understand and follow all safety guidelines, safety instructions, warnings and precautions in this manual. This product is only for professional use !
This product may cause serious injury or even death due to burning, electric shock and falling.



Please read this manual carefully before installing, powering, running and debugging this product. We will revise and change the contents of the manual at any time without notice.
Follow safety instructions in manual and product. If you have any questions, please ask after-sales staff for help.



Do not touch ! The LED lights used in the module are vulnerable to damage.



Warning : Manufacturers are not responsible for incorrect, inappropriate, irresponsible or unsafe system assembly behavior.



For detailed information on the collection, reuse and recycling of the product, please contact the local or regional waste management unit. For detailed information on the environmental performance of the company 's products, please contact us.



Beware of fire !

In order to avoid fire caused by power cable overload, circuit breakers or fuses should be used for protection.

In order to avoid fire caused by power cable overload, do not overload. The maximum power of single screen is 2300W / screen.

Do not post anything on the screen

Do not modify the product, do not add or subtract parts. Do not use when the ambient temperature exceeds 40 degrees Celsius.



Beware of electric shock !

In order to prevent electric shock, the equipment must be grounded correctly during installation. Do not ignore the role of ground wire. Otherwise there is a risk of electric shock.

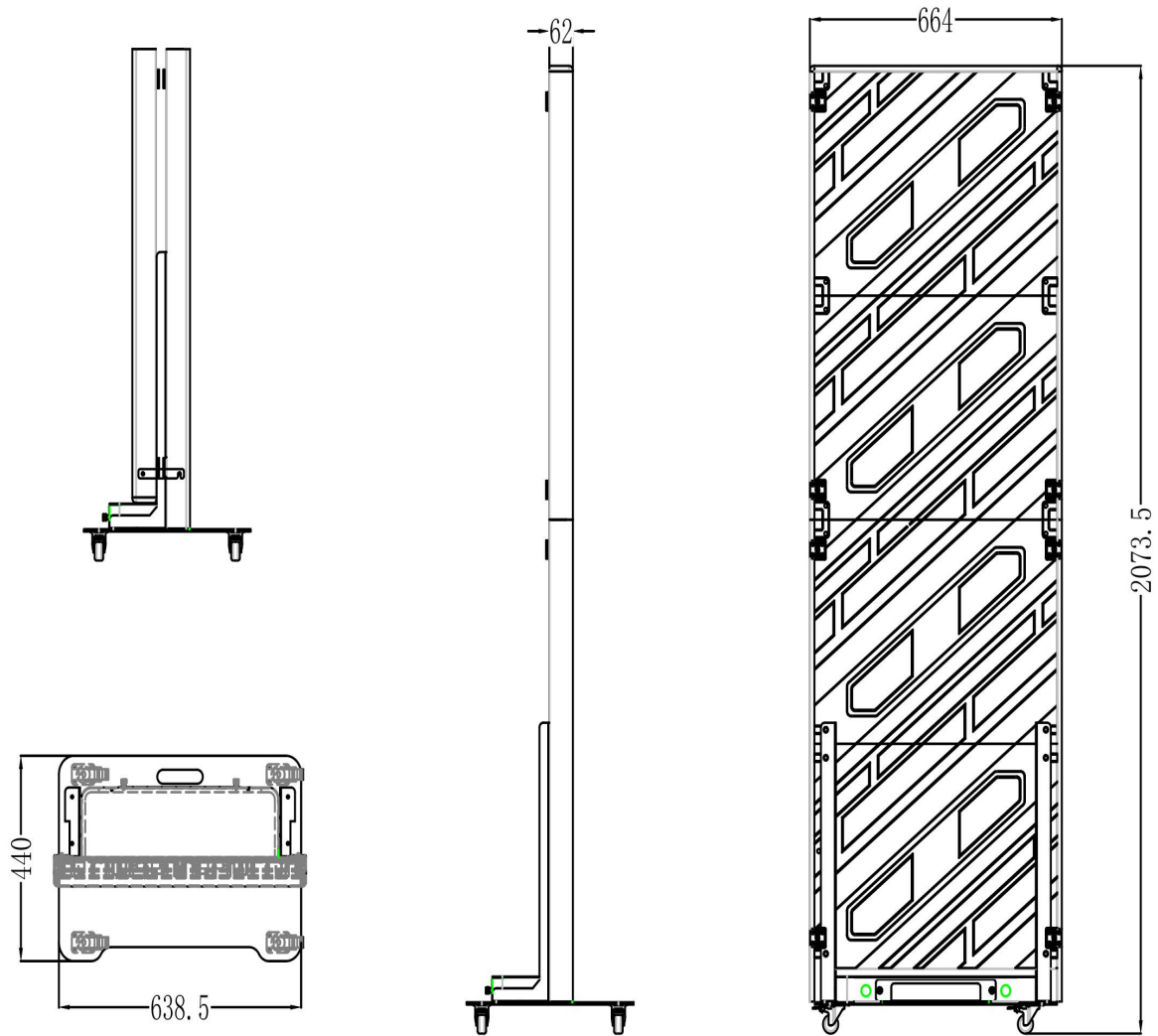
- In the event of lightning, disconnect the power connection of the device, or provide other applicable lightning protection. If the equipment is not used for a long time, power off treatment.
- Always power off the device before performing any installation or maintenance work. The AC power supply used must meet the local building and electrical standards and must be equipped with overload and ground fault protection. The installation position of the total power switch should be close to the product and in an obvious and easily accessible place. This can disconnect the power supply in time when a fault occurs.
- Before using this product, check that all distribution equipment, cables and all connecting devices meet the current requirements.
- Use the appropriate power cord. Please use the appropriate power cord after budgeting the power and current of the power supply, and ensure that the power cord is not damaged, aged and wet.



- If any signs of overheating are detected, replace the component immediately.
- Encounter other questions please consult with the industry professional.

2. Product Accumulation Size

Structure Size Diagram (mm)



3. Package and Transport



Notes :

1. During transportation, handling, and storage, the LED display must strictly follow the three-proof markings on the outer packaging. Pay close attention to avoiding impacts, and ensure protection against water, moisture, drops, and improper orientation.
2. The LED display is a fragile and easily damaged product. During installation, ensure proper protection is in place. Do not tap or strike the LED surface, modules, or the edges of the cabinet, as impact may cause damage that could prevent proper installation or normal operation.

The module, screen body and base are aircraft box packaging.

Whole machine integrated packaging transportation:



Packaging schematic diagram of the whole aircraft box

4. Accessories Description



HDMI



power line



Tools



Spare module



Spare LED lights



Connect Cables

5.Appearance and Ports



Ports: USB Type B、HDMI OUT、HDMI IN、RJ45、USB Type A 3.0、Line Out、Power Button with Indicator、Antenna port、Power Outlet.

6. Installation

6.1 Installation Steps

6.1.1 Single LED Screen Installation

1. Remove the connectors on both sides of the screen (2 brackets, 4 screws in total).



2. Use the provided locking tool to secure the locking points located on the back of the screen:

- Turn the left locking point clockwise
- Turn the right locking point counterclockwise



3. Use the provided connector to fix the screen



4. Plug in the power cable. Installation is complete.

6.2.1 Multi-Screen Splicing Installation

1. Open the magnetic cover plates at the joint between the two screens.



2. Unfold the two connected poster screens outward into a flat position. Use the provided tool to Lock the connection hole. (4 lock holes in total)

- Turn the upper two locking points counterclockwise
- Turn the lower two locking points clockwise



3. Use the provided HDMI cable to connect the two screens:

- From the HDMI OUT port of one unit (on the left side of the single machine)
- To the HDMI IN port of the other unit (on the right side of the single machine)



7. Software Operation

7.1 Application and Operation of Broadcast Control Software



Notes :

- 1、 The operation steps are based on the product standard software and standard version, and the actual operation steps may be different. We will revise and change the contents of the manual at any time without notice.
- 2、 For more detailed operation, please refer to the specific software system instructions.
- 3、 If you need technical support during actual use, please contact us.

1. Download Control Software

name	type	explanation	acquire mode
ViPlex Handy	mobile client	The mobile display management software, including Android and iOS, is mainly used for display management, program editing and publishing.	

2. Connect LED Digital Poster

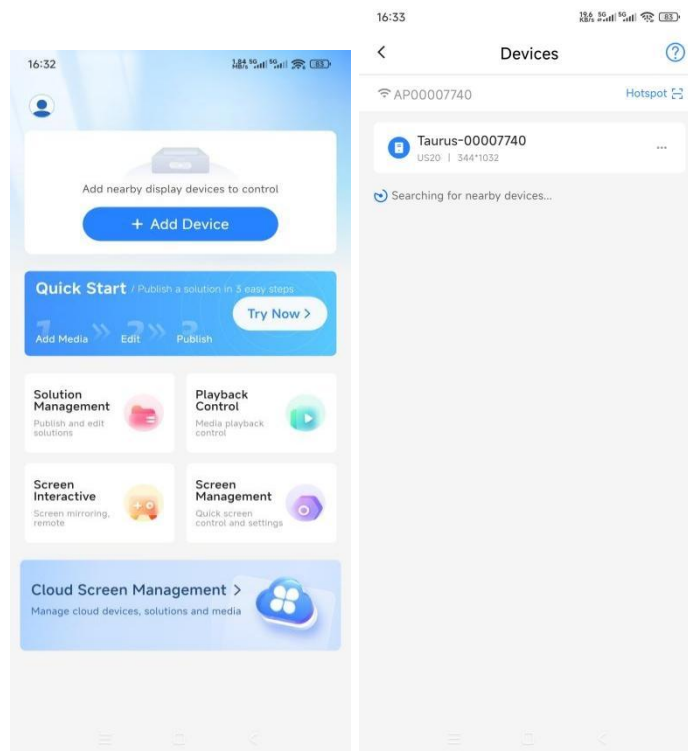
(1) Install the ViPlex Handy app on your phone.



(2) Open the ViPlex Handy app.

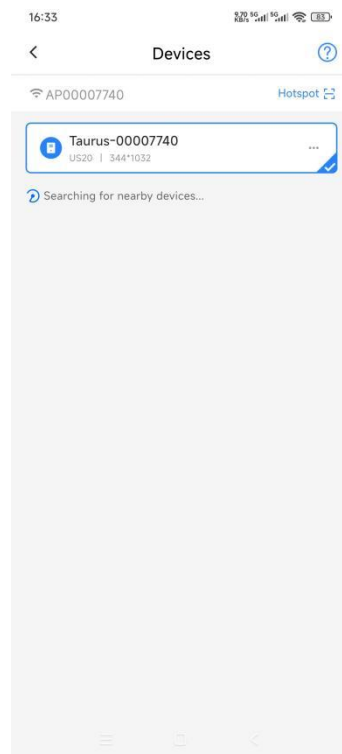
(3) In your phone's **'Settings'**, connect to the LED's hotspot. The default password is (case sensitive): SN2008@+

(4) Click **'Add Device'** on the ViPlex Handy app home to search for the LED device.





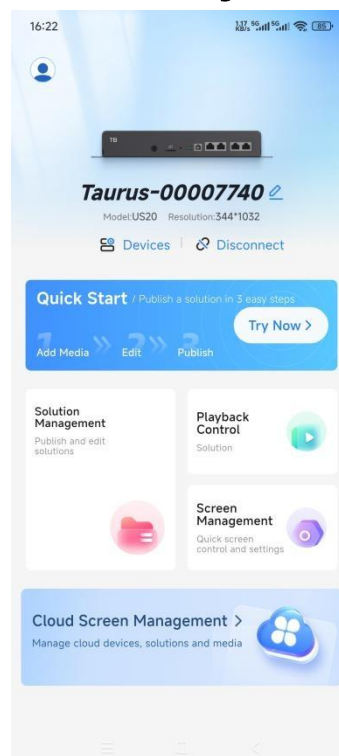
(5) Select the device to connect.



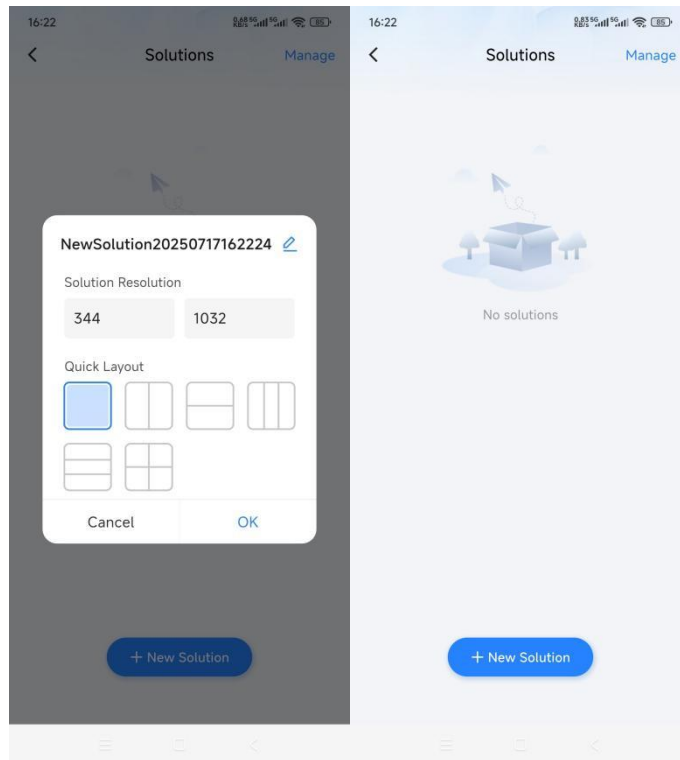
3. Upload Media Files to the Poster Screen

3.1 Single-screen Mode

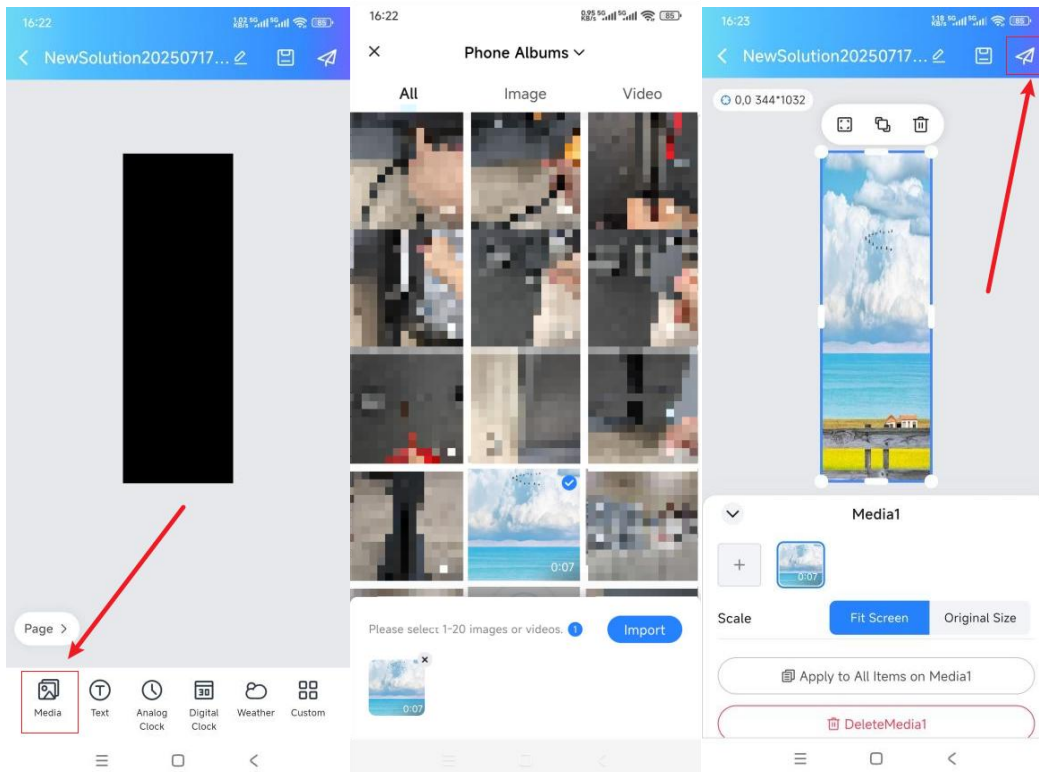
(1) After connecting to the device, click **'Solution Management'** on the Home.



(2) Click '+ New Solution'

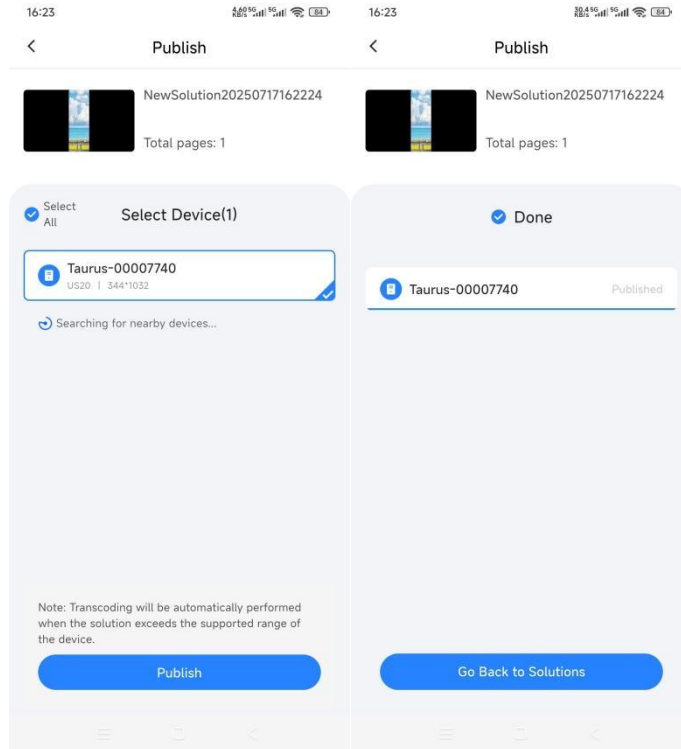


(3) Click '**Media**', select the files you want to upload, and click the icon in the upper right corner.



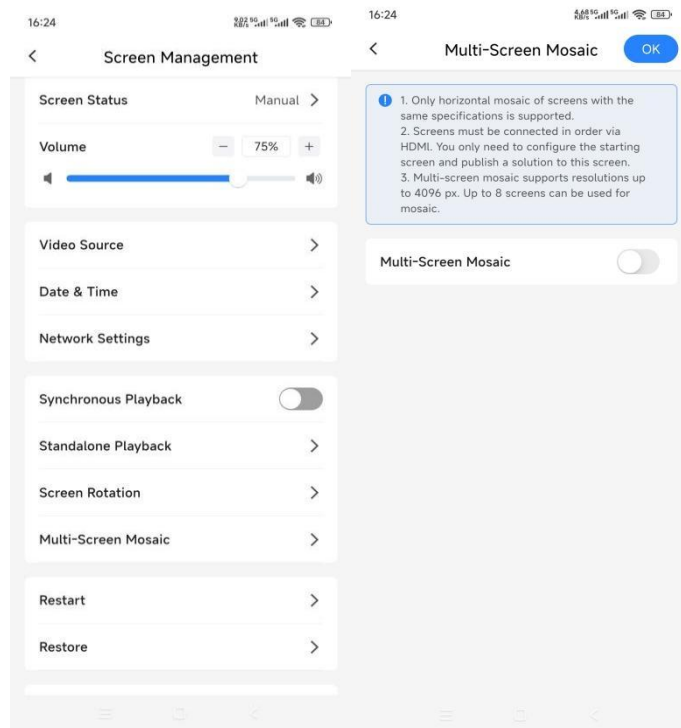


- (4) Select the device you want to display the files on. Click **'Publish'**.
The publish is complete.

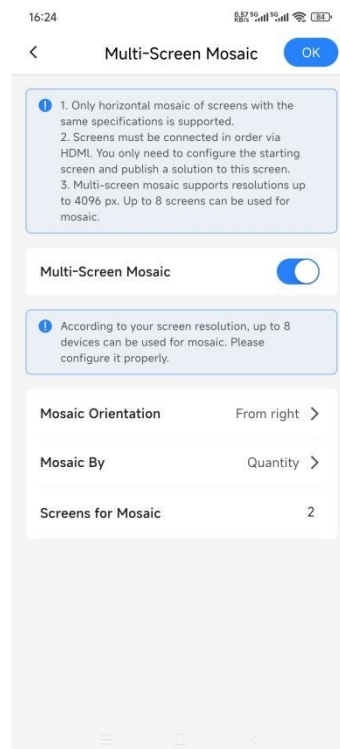


3.2 Multi-screen Mode

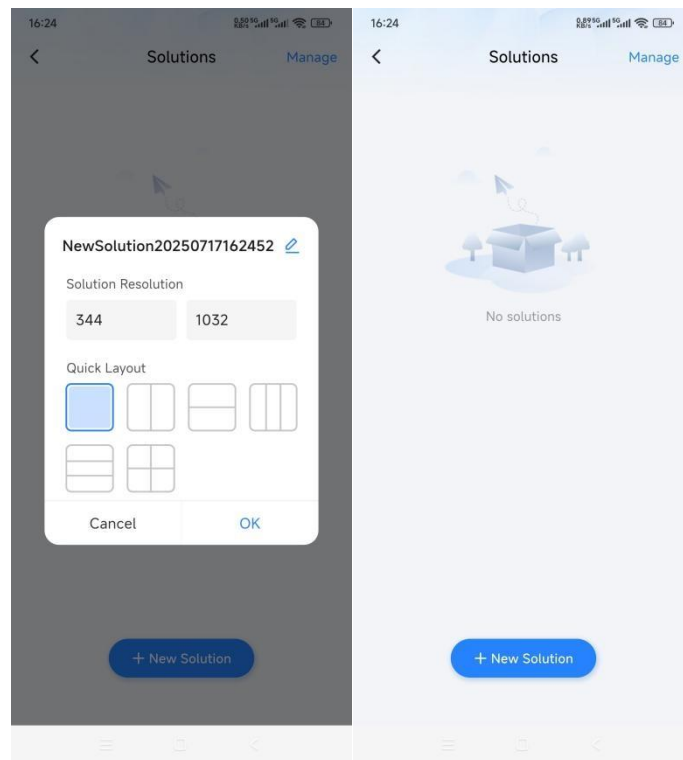
- (1) After connecting the device (select the device connected to HDMI OUT), click **'Screen Management'** on the home and select **'Multi-Screen Mosaic'**.



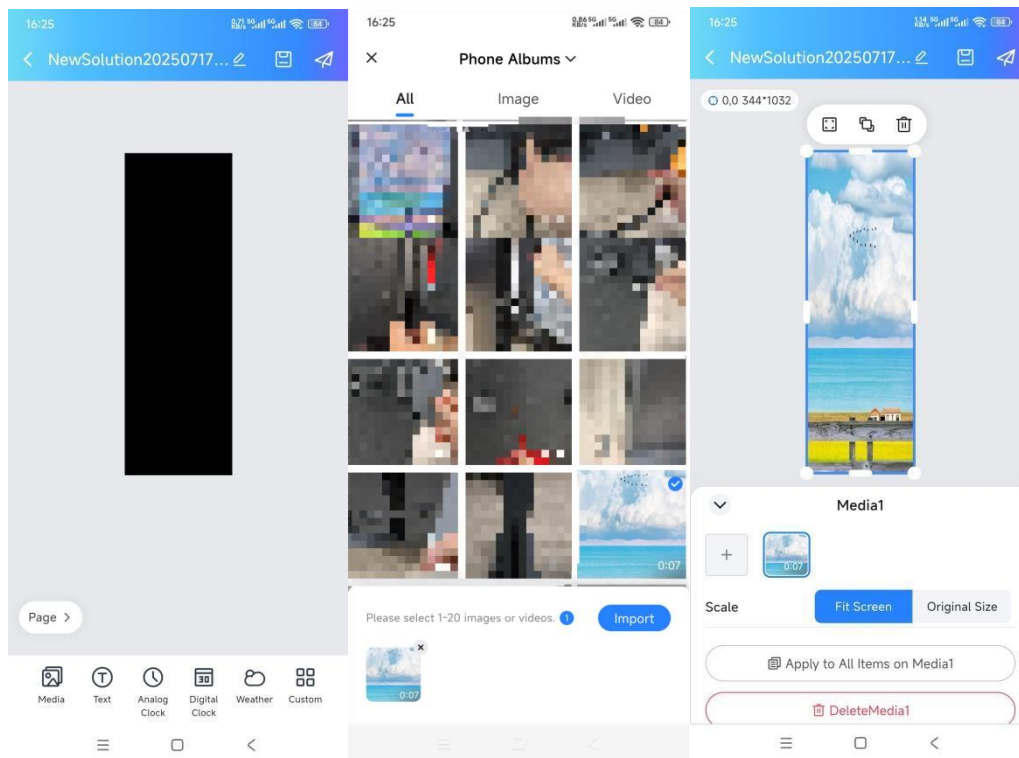
(2) Enable the Multi-Screen Mosaic function and set the parameters according to the actual situation.



(3) Return to Home, Click '**Solution Management**', Click '**+ New Solution**'

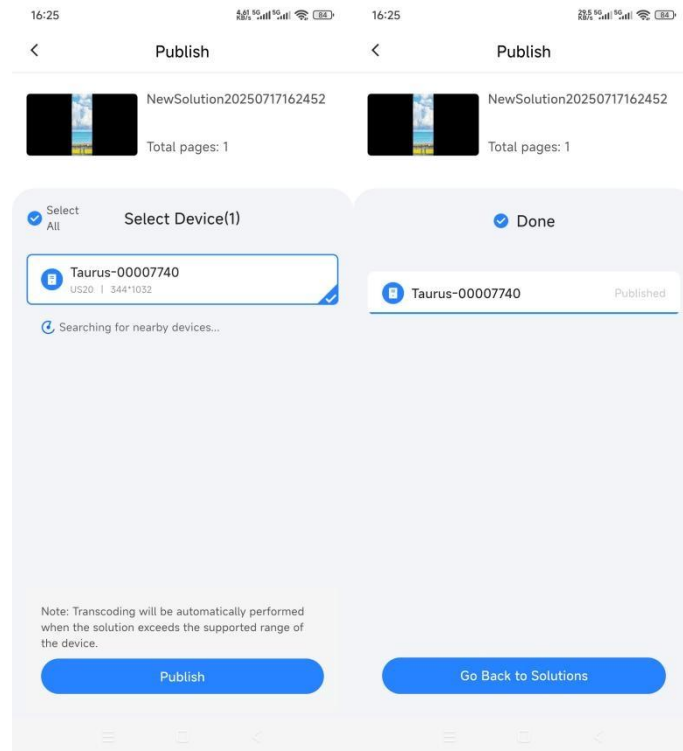


(4) Click '**Media**', select the files you want to upload, and click the icon in the upper right corner.





- (5) Select the device you want to display the files on. Click '**Publish**'.
The publish is complete.



8. Analysis of Common Troubles

Special condition

- **Boot no reaction, do not show the screen**

Check whether the power line is connected or loose, and whether the operation indicator light is normal.

- **Playback screen jitter or flickering**

Check whether the power indicator is in normal state, if the U disk plays, check whether the content is too large or more than 4K HD; if the computer HDMI plays, check whether the computer playback screen is the same jitter, check whether the HDMI line is loose, restart the computer, etc.

- **The display can not identify the U disk**

USB storage device (U disk or mobile hard disk) must be Ext4 or FAT32 file system format. If you need to use high-power USB storage devices (such as mobile hard disk, etc.), you need other USB interface to assist power supply.

Processing Method: First, confirm with the user how many connectors the hard disk's data cable supports. If it has only one connector, it is recommended to purchase a dual-head data cable. If it is already a dual-head data cable, connect one end to the USB interface and the other to an external power source.

- **The whole screen is not bright (black screen)**

(1) Detect whether the power supply is energized.

(2) Check whether the communication line is connected or not.



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- **The display shows a missing single pixel, a partial-color pixel column, or a small area with color blocks.**

For missing pixels or partial-color pixel columns, please replace the standby module after powering off the device; If color blocks appear, check whether the calibration data (correction coefficient) is missing or replace the standby module.

- **A part of the area shows black screen**

Check for signal interruptions on the monitoring screen, ensure the internal network cable is securely connected, and verify that the system's internal indicator lights are functioning normally. If necessary, replace the system card hardware. For further assistance, contact the manufacturer's technical professionals for guided support.

9. Product Maintenance and Basic Servicing

Product maintenance and precautions



Notes :

The LED lamp used in the module is vulnerable to ESD (electrostatic discharge) damage. To prevent damage to LED lights, do not touch the device during operation or when it is turned off.



Notes :

1. Do not let any part of the display screen contact with any abrasive material.
2. Do not expose the display to extremely hot or cold environments that exceed the temperature specification.
3. It is necessary to carry out regular inspection of the product to check whether it is safe and reliable, Check for signs of wear, deformation, corrosion, or any other conditions that may affect the load-bearing capacity of its components.
4. It is recommended to check all the installation parts regularly ; for important components, the inspection frequency should be increased. If the parts are damaged, it may reduce the load handling capacity and must be repaired or replaced immediately.
5. New screen test run : new screens stored within 3 months can be played at normal brightness. The new screen is stored for more than 3 months. The brightness of the screen is set to 30 % for the first time, running for 2 hours continuously. After half an hour of shutdown, the brightness of the screen is set to 100 % for 2 hours continuously. Observe whether the LED screen is normal, and set the brightness of the screen according to the requirements after everything is normal.
6. The LED display is an electronic product. It is recommended to open the screen regularly. For the installed display that has not been powered up and has a continuous time of more than 15 days, the brightness of the screen should be reduced when it is used again to reduce aging. The process refers to the new screen trial operation, and it cannot be highlighted and continuously whitened.