



DISPLAYS2GO
CONNECTING PEOPLE & BRANDS WITH THE WORLD



Model: DP031NVB
Description: LED Counter
USER MANUAL

Scan QR code to visit
the product page:



FCC ID: 2ASCB-DP031NVB

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes/modifications to this equipment not approved by George Patton Associates could void the user's authority to operate the equipment.

Operating Instructions for Digital Signage

Note: Before using the product, please read the instructions carefully!

Do not attempt to disassemble this product. If the product does not work properly, please call our Customer Service Department at 1-844-221-3393.

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1. Preface

1.1 Instructions

- 1) This manual is applied to LED digital Counter. For better application, this manual systematically introduces the product make up, interface, specification, also the installation, wiring and content publish operation.
- 2) Software instruction is based on built-in Nova T30 player and not applicable for other players.
- 3) Version 1.0.0.

1.2 Safety Warnings



Please read below instructions before installation, power-on, operation and testing; Make sure to follow the safety instructions. For any questions, please contact us for assistance.



- Due to flame, electric shock, fall down, this product may cause injury to person, even death;
- This product is not suitable for swimming pools, sauna, bathroom and other humid environments;
- This product is non-waterproof, or cannot be used in complete outdoor environments;
- Please do not block the ventilation holes during operation;
- Please take moisture-proof measures when packing and stock;
- Please do not drop, strike, scratch, warp or shake LED display or external equipment;
- Please make sure the product is operated under professional staff due to inside strong current;
- please make sure the ground is flat and even before placing the product;
- Ground this product correctly to ensure safety and prevent electric shock;
- Please power off the product in thunderstorm weather. Unplug the product if it will not be used for a long time;

We strongly recommend using a surge protector, or a power strip with internal circuit breaker to prevent damages to the product.



- Please unplug display power under situations of unused, disassemble, installation, maintenance;
- Please make sure the AC power meets local building & electrical standards and equipped with overload and earth faulty protection;
- Please make sure and check electricity, cable and all connected equipments meet current requirements before using this product;
- Make sure power cable is in good condition. Please replace with a new one if the product or the cable is over-heating;
- Please make sure the product is operated by licensed personnel due to inside strong current; for any questions, please consult with professional personnel;
- Please wear eye-protection and do not watch the screen directly for a long time when screen is at 100% brightness;



- Do not use any optical devices with magnifying function to look at the screen or it could cause damage to your vision;
- Make sure the screen, processor and power have good ventilation, at least 0.1m distance from other objects;



- Do not stick any objects on screen;
- Do not modify the product, or add new parts to it;
- Do not expose the product directly to sunlight;
- Do not use the product if the surrounding temperature is higher than 40°F;
- Please wear a helmet to prevent body injury;
- Please make sure any fixed and connected structures meet safety standards;
- Please hold the screen firmly when joint units to prevent drop or tip-over;



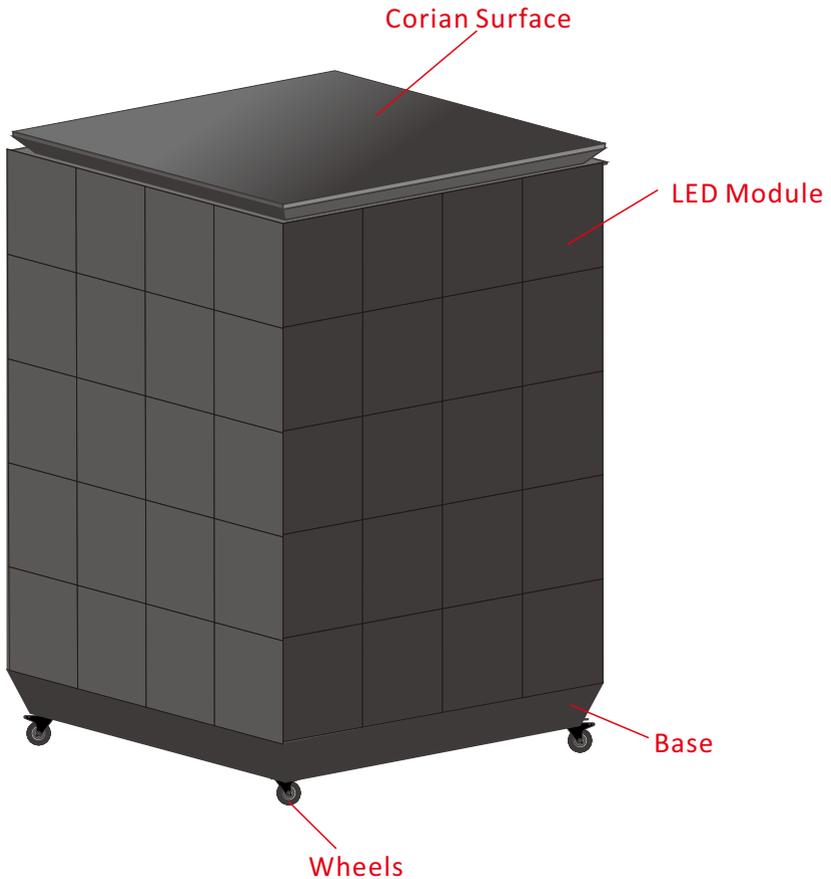
Warning: Manufacturer is not responsible for any incorrect, improper, irresponsible or unsafe operations.

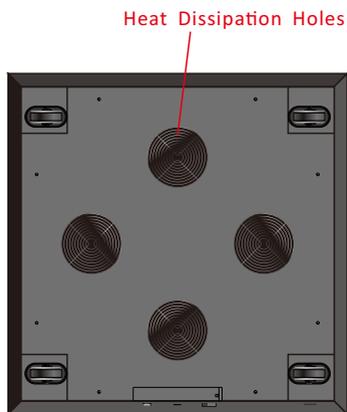
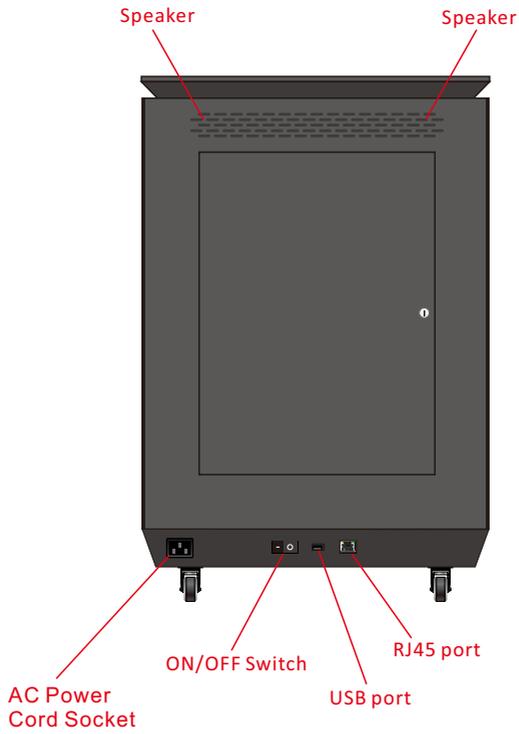
2. Product introduction

2.1 Overview

This product embodies features including easy operation, multiple communication modes, high brightness, and high-quality display, which can be widely installed in hotels, restaurants, shopping malls, banks, government agencies, hospitals and other locations.

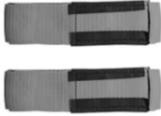
2.2 Dimension





3. Assembly and Connection

Parts List

Accessory	Picture	Qty
LED Digital Counter		1
Pull-strap		1
Keys		1
Power Cord		1
User manual		1

4. System Connection Instructions

4.1 System connection diagram of single unit

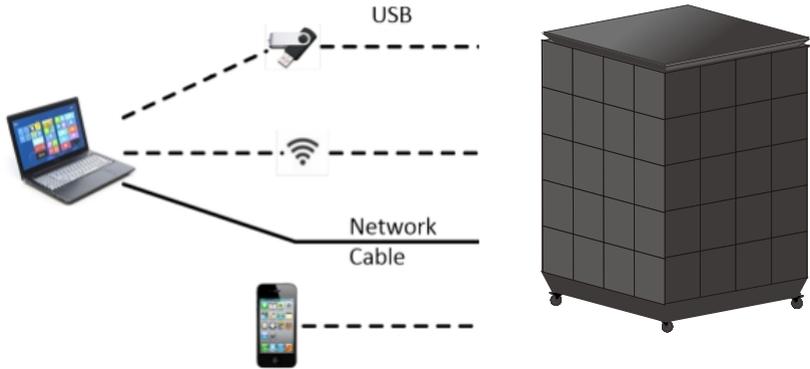


Fig 4.1

Fig 4.1 is the system connection diagram with built-in player. Playlist can be loaded in by USB, cable, APP in PC and cell phone, then loop playback.

4.2 System Connection Diagram of Multi units

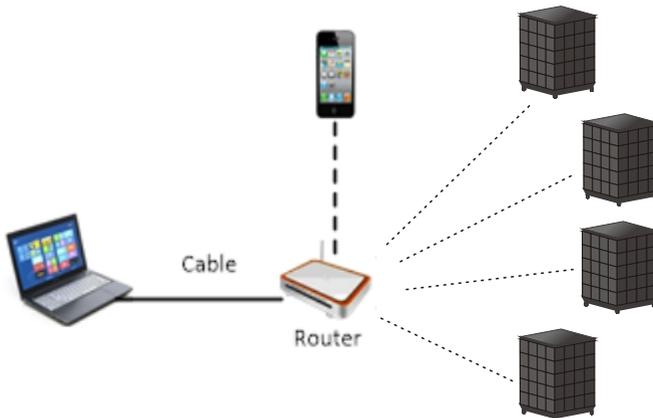


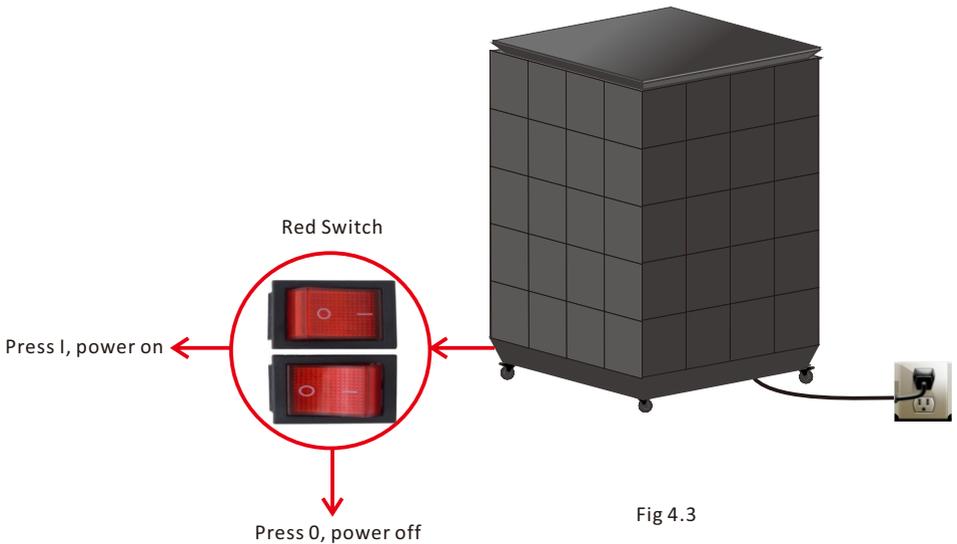
Fig 4.2

Fig 4.2 is the system connection diagram with built-in player in one LAN. Playlist can be loaded via one PC or phone.

4.3 Startup Instructions

- 1). Connect power cable . See fig 4.3.
- 2). Press “I” on power switch.
- 3). Load in the playlist.

Notes: please refer to the Section 7 on how to load in a playlist.



We strongly recommend using a surge protector, or a power strip with internal circuit breaker to prevent damages to the product.

5. Content Management & Publish

5.1 Publish via PC

1) Software installation

a. Download the software on it's official website VIplex Express:

[https://www.novastar.tech/downloads/?_sasdk=dMTg0MDkwYzA4MmExMzktMDRiOGRhOTBkMjZlNDJLTU3NjE1M2UtNDIzMzYwMCOxODQwOTBjMDYyYmYxYg%EF%BC%8CNote:%20\(x64\)%20&%20\(x32\)%20PC](https://www.novastar.tech/downloads/?_sasdk=dMTg0MDkwYzA4MmExMzktMDRiOGRhOTBkMjZlNDJLTU3NjE1M2UtNDIzMzYwMCOxODQwOTBjMDYyYmYxYg%EF%BC%8CNote:%20(x64)%20&%20(x32)%20PC)

downloading choose Fig5.1 software version

b. Find shortcut of the software on desk as fig 5.2.

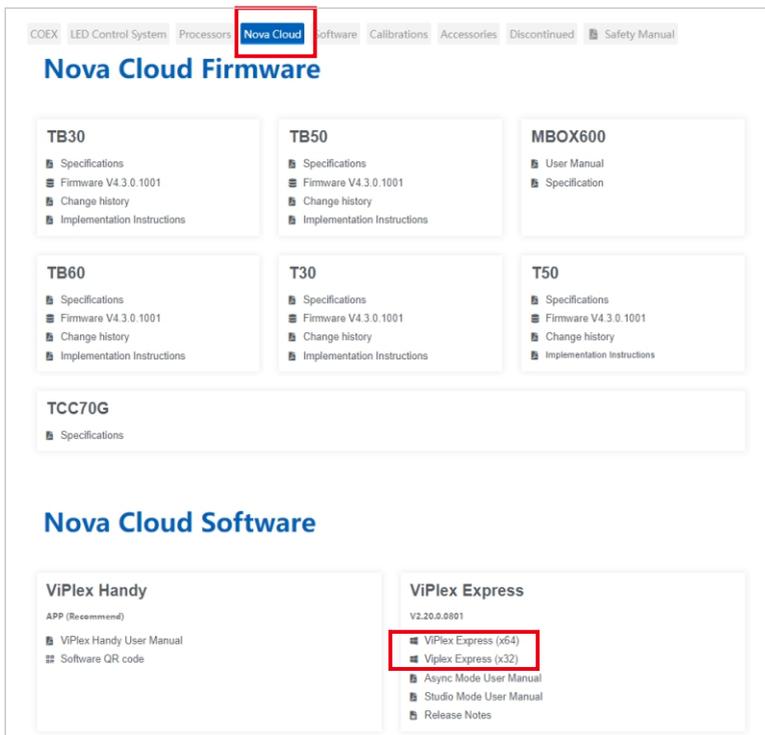


Fig 5.1



Fig 5.2

2) Internet connection

Connect PC to the unit via below ways:

- WIFI of built-in player;
- Router in LAN;
- CAT5E;

Note: in this instruction, the connection is via WIFI of built-in player.

Open WLAN in your PC, connect to the unit's WIFI , please refer to 5.3.

- ID: Apxxxxxxxx (e.g. AP10000033)
- Password: 12345678

Note: ID of the unit is labeled on the control box.



Fig 5.3

3) Settings on the play software [ViPlex Express]

Open ViPlex Express, find the unit on the list, click [Connect] and type in the username and password, then click [Ok] to do settings , please refer to fig 5.4.

Note: Initial username: admin;

Initial password: 123456

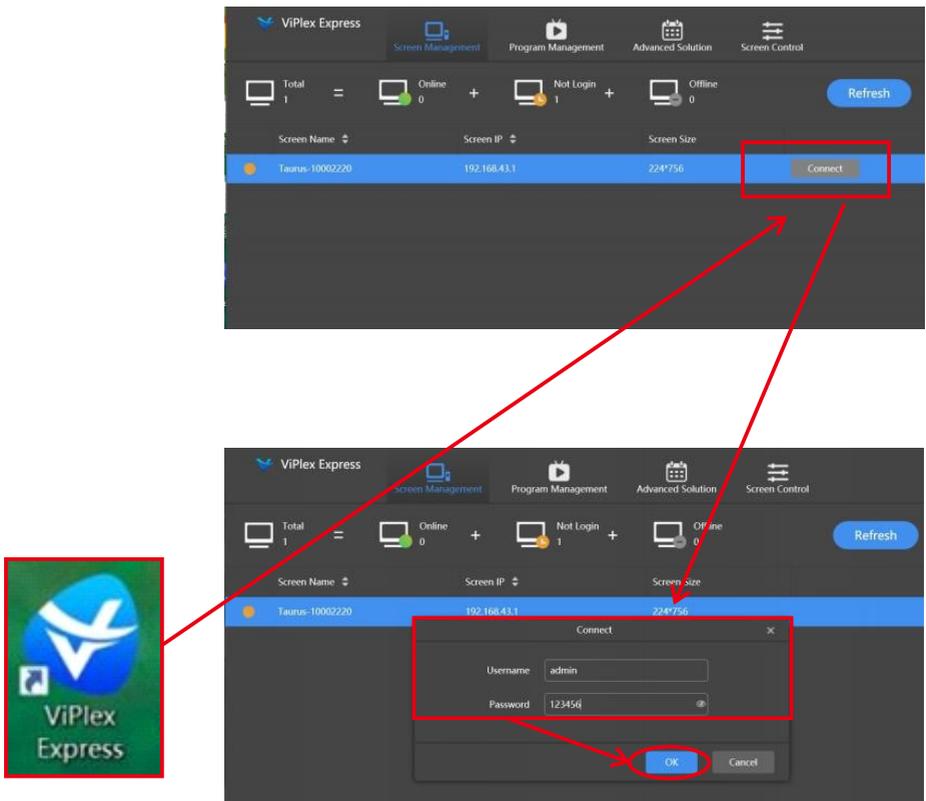


Fig 5.4

4) Creation of a new playlist

- a. Click [Program Management]→[New]
- b. Name the new playlist in [Solution Name]
- c. Type in the resolution in [Display Width & Display Height]
- d. Click [ok] to edit the playlist, please refer to fig 5.5.

Note: Single Screen Resolution: 256(W)*320(H)

Three-sides Resolution: 768(W)*320(H)

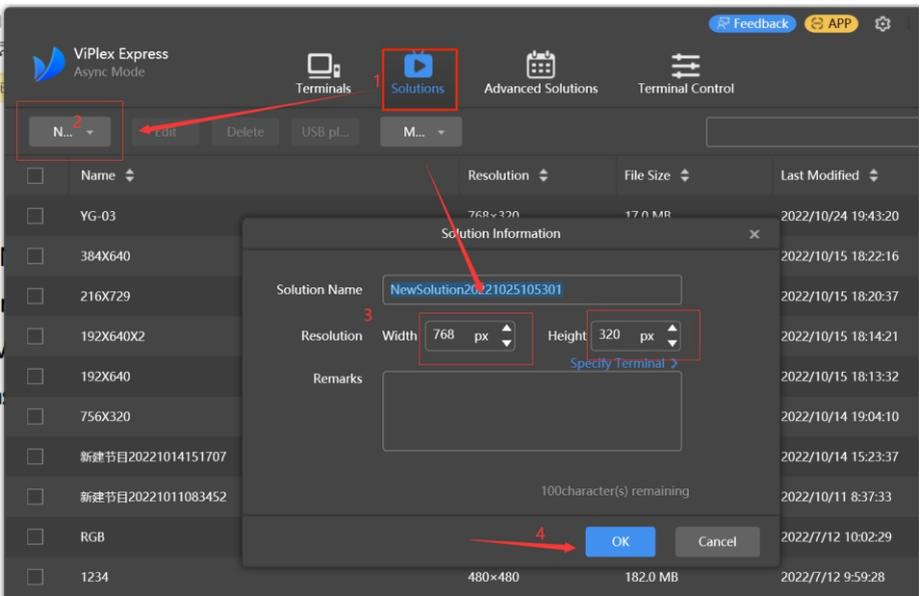


Fig 5.5

- e. Click [+] to add page according to the quantity of content.
- f. Select text, File(image, video, gif), clock, weather, and container for each page. Please refer to fig 5.6

Note: the resolution of image should fit this product.

Single Screen Resolution: 256(W)*320(H)

Three-sides Resolution: 768(W)*320(H)

- g. Refer to Fig5.6 point 3, setting the position of content. (Left: X:0 Y:0 W:256 H:320; Middle: X:256 Y:0 W:256 H:320; Right: X:512 Y:0 W:256 H:320)

Fig5.6 point3-5 are the settings of program parameters

Once finish, please click  to save the playlist. Please refer to fig5.6.

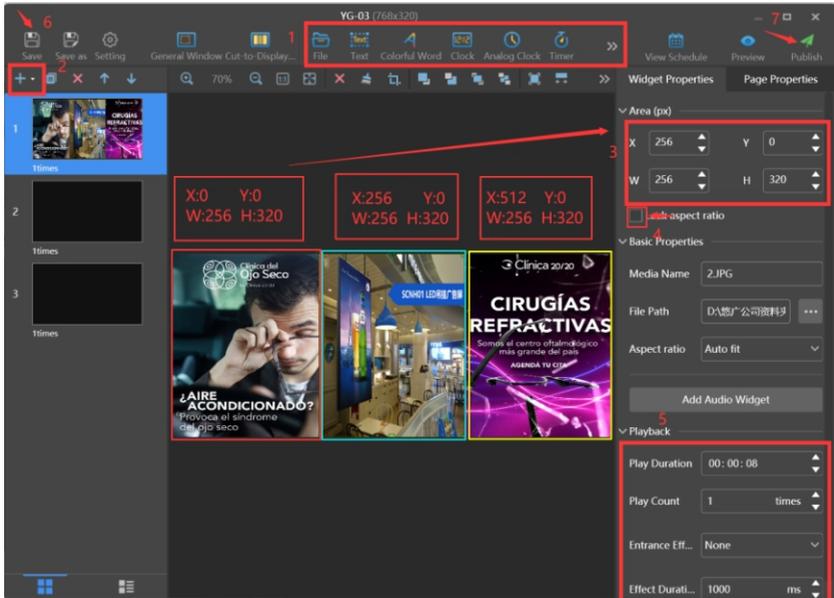


Fig 5.6

- h. Enter the interface shown in fig 5.7, tick the new playlist created in last step and click  to publish.
- i. Select the right CRIUS, click [Publish] shown in fig 5.7 to upload the playlist.
- j. Click [Publish] shown in fig 5.7 to play this playlist.

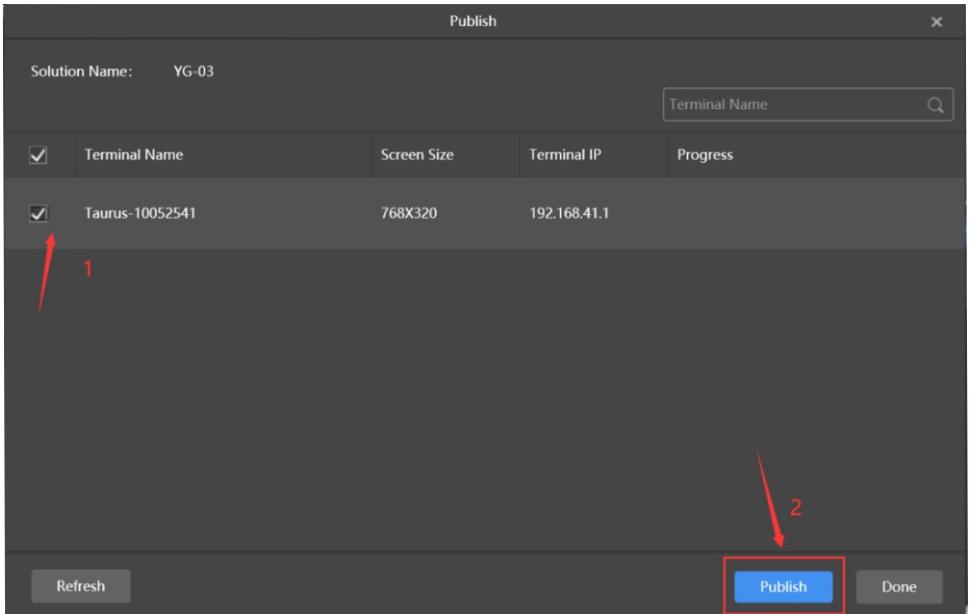


Fig 5.7

5.2 Publish via Phone APP

1) Installation of phone APP

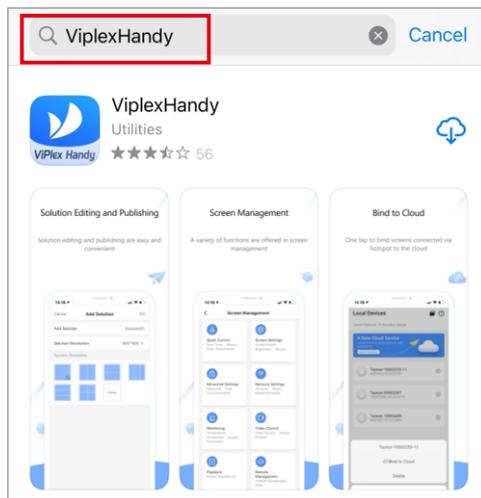
a. Android system:

Scan below QR code, download Viplex Handy and install.



b. IOS system:

Search Viplex Handy in App Store , download and install.



2) Internet connection

a. Open WLAN in the phone, connect to the unit's WIFI, please refer to fig 7.11.

ID: Apxxxxxxxx (ex:AP10000033)

Password:12345678

Note: ID of the product is labeled on the product back side.

b. Open ViPlex Handy, locate the right unit, click [Connect] and type in the username and password, then click [Ok] to do settings, please refer to fig 7.12.

Note: Initial username: admin;

Initial password: 123456

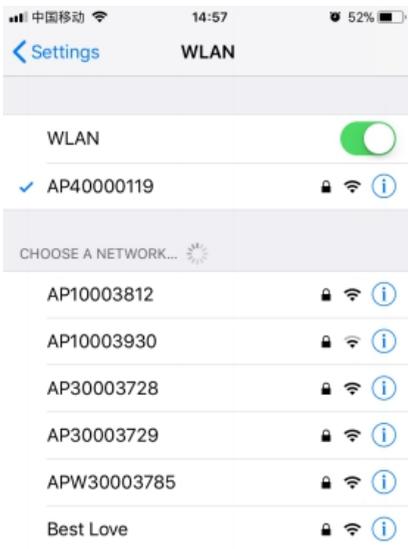


Fig 5.8

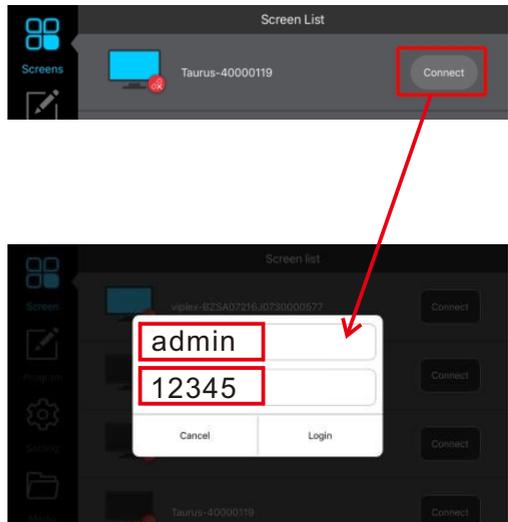


Fig 5.9

3) Creation of a new playlist

- a. Click [Solutions] to add solution to create a new playlist, please refer to fig 5.10.
- b. Name the new playlist in [Solution Name]
- c. Type in the resolution in [Solution resolution]
- d. Select one template for CRIUS in [System template], please refer to fig5.11.
- e. Click [OK] to edit the playlist.



Fig 5.10

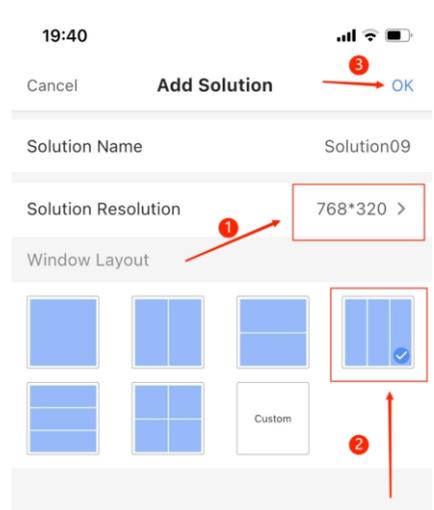


Fig 5.11

- f. Left-click the display window and select the format of content in [Add Solution].
- g. Open [Media Library], choose the content and click [ok], please refer to fig5.12and fig5.13.
- h. Return to the display window, click  to publish the content, please refer to fig5.14.



Fig 5.12

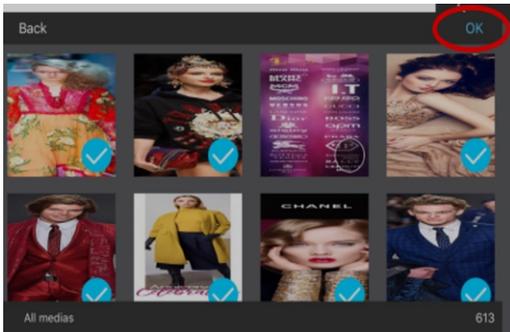


Fig 5.13

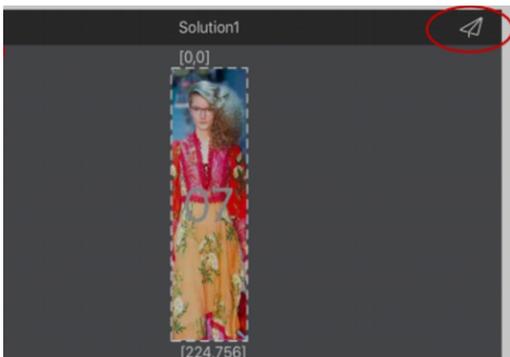


Fig 5.14

5.3 Publish via USB

1) Refer to Part 5.1 to create a new playlist in PC.

2) Export the playlist to USB

a. Plug the USB to PC, click [Product Management], select the right playlist, click  to export content to USB, please refer to fig 5.15.

b. Choose the save path and folder in USB, click [Ok] → [Export], please refer to fig 5.16.

c. Click [Next] when finish transfer.

d. Select [Plug and play] or [Copy and play] in [Play Mode], if select [Copy and play], please choose [overwrite them], then [Ok] to finish, please refer to fig 5.16.

Note: [Plug and play] means plug USB to play, remove USB to stop.

[Copy and play] means plug USB to copy the playlist to the unit, and the playlist will loop play with or without USB in.

In this way, you can upload the playlist to many the unit.

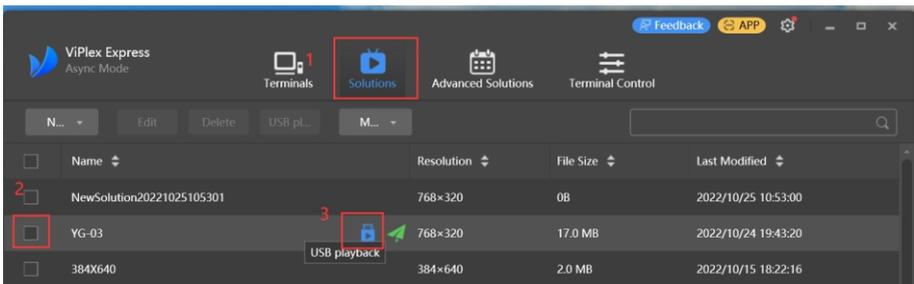


Fig 5.15

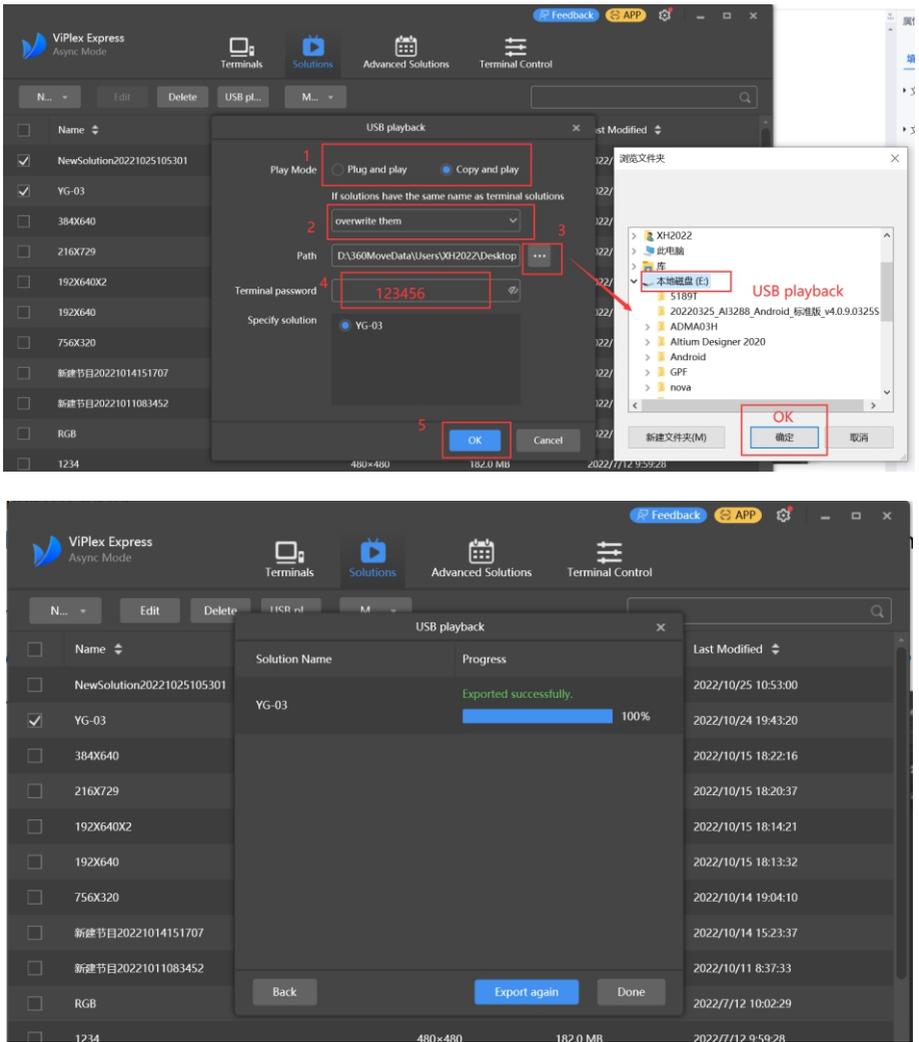


Fig 5.16

6. Technical Specifications

	Model	Spec
Optical Parameters	Pixel Pitch (mm)	2.5
	LED Type	SMD
	Viewing Angle (H/V)	160° / 160°
	Brightness(cd/sqm.)	>800
	Refresh Rate(Hz)	>1920
	Optimized Viewing Distance (m)	3~30
Electrical Parameters	Average Power Consumption (W/unit)	250
	Max. Power Consumption (W/unit)	680
	Input Voltage	AC110V / AC220V±10%50/60Hz
	Input Interface	Ethernet / USB / WIFI
Structure Parameters	Module Size in Pixel (W×H)	64x64
	Module Size in mm (W×H)	160mmx160mm
	Single One Screen Display Size in Pixel (W x H)	256x320
	Total Three Screens Display Size in Pixel (W x H)	768x320
	Display Size in mm (W×H×D)	640x800
	Overall Dimension in mm (W×H×D)	650x650x975
	Weight (kg/unit)	NW:68.7 kg / GW:122.6 kg
	IP Rating	IP20
Operation Parameters	Operating Temperature/ Humidity (°C/RH)	-10°C~40°C / 10~90RH%
	Certification	CCC / CE / ETL / FCC

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.