

Q16pro Gen2 1U

Quick Start



- Modular design with flexible input & output combinations
- Dual OSD rolling subtitles for 2K output module
- De-interlacing function
- Support 8 screens spanning the output port without occupying layers
- 4K@60 input & output
- Custom EDID & output resolutions
- Control via XPOSE and RGBlink OpenAPI
- Connect to the webcam for decoding

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Product Introduction

Q16pro Gen2 1U adopts **modular design**, which supports up to **8 inputs**, including quad HDMI 2.0, dual HDMI 2.0 & DP 1.2, quad DVI, quad SD/HD/3G SDI, single H.264/265 for 2K and 4K signals; **4 outputs**, with dual HDMI 2.0, dual DP 1.2, quad HDMI 1.3, quad DVI, quad SDI signals optional.

The **standard unit** comes with 4 HDMI 1.3 outputs and builds with local front control panel and remote control interfaces with RS 232 and Ethernet ports.

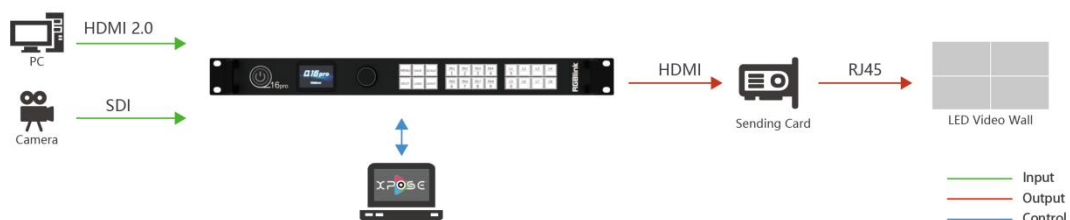
Q16pro Gen2 1U is available to be **remote controlled** by XPOSE or 3rd party APP / controller by open API.

Q16pro Gen2 1U combines rugged design, class-leading video processing and image quality, ultra-low latency, versatile 4K connectivity, livestreaming capabilities, and unmatched ease of use to meet the requirement of the modern commercial display systems application, including live corporate meetings, hybrid events, worship productions, or large-scale LED video wall installations.

Its 8 layers with **roaming capacity** and **layer can cross over each output without layer counting up**.

System Connection Diagram

RGBlink offers solutions to demanding technical problem. Any application questions, or required further information, please contact with our customer Support Engineers.



Q16pro Gen2 1U SYSTEM CONNECTION DIAGRAM

Packing Configuration

1 x AC Power Cord



1 x HDMI Cable



1 x Network Cable



1 x Anti-Static Bag



Note:

AC Power Cable supplied as standard according to destination market.

Hardware Orientation

Front Panel



Name	Description
Power Button	- Press the button to power on or power off the device. - Button light turns red when powered on.
LCD Panel	Display current status of the device, and provide interactive choices in conjunction with buttons on the front panel.
Knob	- Rotate the knob to select a item. - Press the knob to confirm the operation.
Buttons	- MENU: 1) Enter main menu; 2) Back to the previous menu. - SAVE: Push SAVE+Digital Button to save scenes to SCENE1-16. - SCALE: Adjust width、 height、 H position and V position of layers. - SPLIT: Select layout for Split Mode. - LOAD: Push LOAD+Digital Button to load scenes from SCENE 1-16. - LAYOUT: Select layout for Presentation Mode. - IN1-IN8: 1) Input signal selection buttons; 2) 1, 2, 3, 4, 6, 7, 8, 9 digital button. - L1-L8: 1) Layer selection buttons; 2) L1 and L5 can also be used as 5, 0 digital button respectively.
Handles	For carrying device.
Rack Mount Ears	Use with the load-bearing screws to fix device on the rack.

Rear Panel



Name	Description
Input Slots	- Support quad HDMI 2.0, quad DVI, quad 3G SDI, dual HDMI 2.0 & DP 1.2, single IP and other optional input modules  purple tip indicates input
Output Slots	- Support quad HDMI 1.3, quad DVI, dual HDMI 2.0, dual DP 1.2, quad SDI and other optional output modules  blue tip indicates output
Communication Module	1xLAN、1xRS 232、1xUSB  yellow tip indicates communication
Power Module	1×IEC power socket
Interface Protector	Used to pull out device, fix cables and protect interfaces from collision

Menu Tree

Push **【MENU】** button to enter main menu.

Turn the knob to select corresponding menu item; **push the knob** to enter sub-menu; **push **【MENU】** button** to return back to the previous menu.

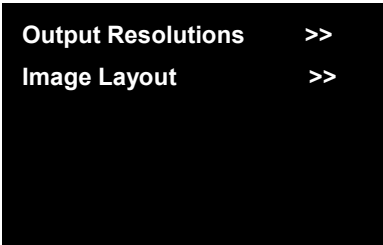
The MENU structure includes **Presentation**, **Split**, **Advanced**, **Scene Save**, **Scene Load** and **System**, shown in the figure below.

Presentation	Split	Advanced	Save	Load	System
Output Resolution >>	Output Resolution >>	4K Input Mode >>			SN 1024
Image Layout >>	Split Layout >>	EDID >>			Black Out OFF
					Software Version >>
					Network Setting >>
					Fan Speed >>
					Language语言 ENG
					Factory Reset

Use Your Product

Presentation

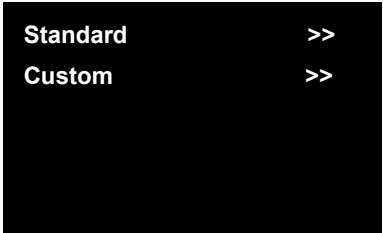
After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <Presentation>.



```
Output Resolutions  >>
Image Layout       >>
```

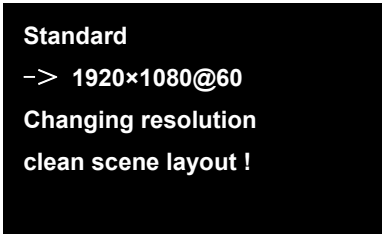
Output Resolution

Output Resolution: Choose Standard or Custom resolution.



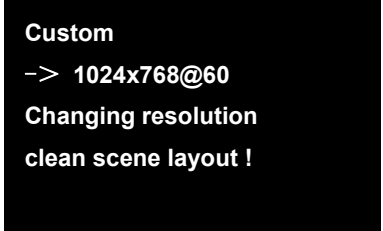
```
Standard  >>
Custom    >>
```

Standard: Rotate the knob to choose standard resolution.



```
Standard
-> 1920x1080@60
Changing resolution
clean scene layout !
```

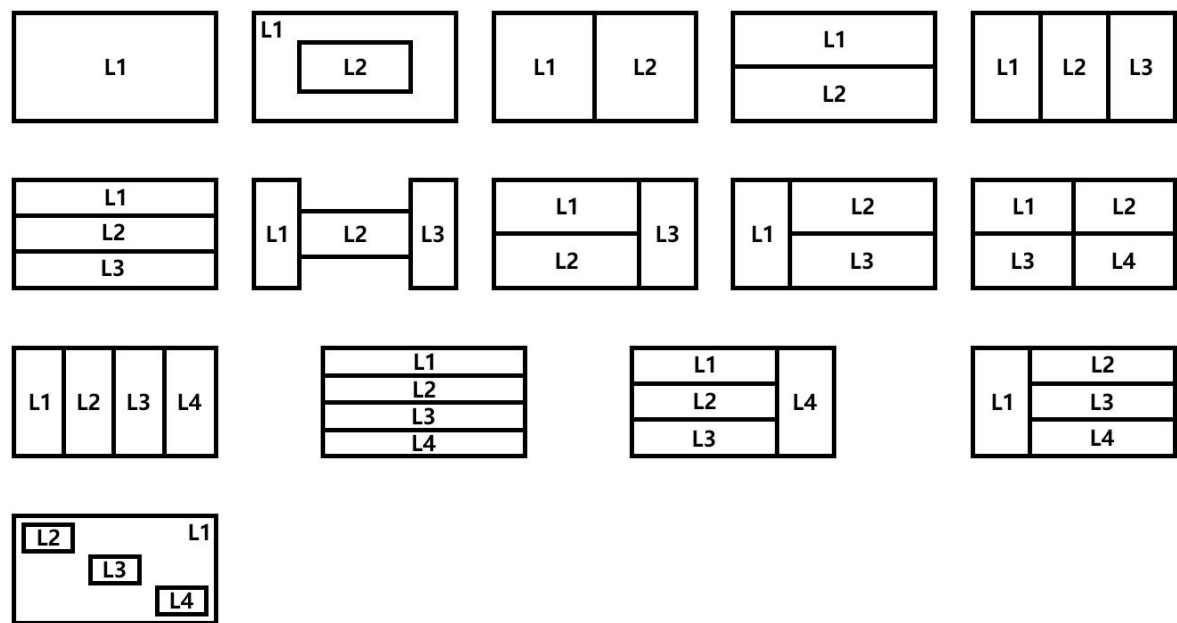
Custom: Use 0~9 numbers to key in the width, height and frame rate.



```
Custom
-> 1024x768@60
Changing resolution
clean scene layout !
```

Image Layout

Select the image layout for presentation mode. There are 15 layout patterns built-in as follows:



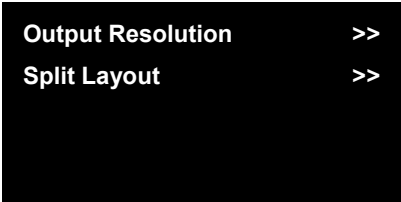
Push the knob to select layout, and the LCD Panel will automatically return to the previous menu interface.

Users can use the L1-L8 buttons on the front panel to select the layer, and then select the input signal by using IN1- IN8 buttons.

Note: ONLY the first four layouts are available for 4K input module. Please reselect if the wrong layout is chosen.

Split

After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <Split>.



Output Resolution

The same operation as shown in Presentation.

Split Layout

There are 6 split modes available.

Split Mode	Background	Multi-Picture Layout
H 1/2		
V 1/2		
Cross		
H 1/4		
V 1/4		
H 1/3		

Choose the split mode from 6 types shown above by rotating the knob. Push the knob to select the

multi-picture layout under this split mode and then set parameters.
The LCD screen displays as follows:

H Total	3840
V Total	1080
Width 1	1920
Save	

Set H total, V total, width1 of screen according to actual need.

Note: ONLY **H 1/2 layout** and **V 1/2 layout** are available for 4K input module. Please reselect if the wrong layout is chosen.

Advanced

After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <Advanced>.

4K Input Mode	>>
EDID	>>

4K Input Mode

Source 1	3 HDMI 2.0
Source 2	8 DP
Save	

Source 1/2: with HDMI 2.0, DP 1.2 input source available

Rotate the knob to "Save" and push the knob to save above settings.

EDID

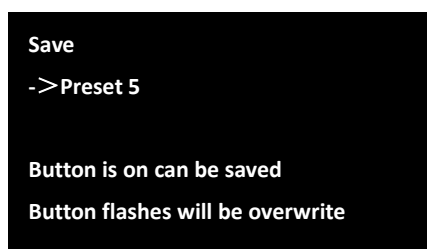


Input port: 1~8 Input Port

Source: Choose CUSTOM to custom EDID, Choose RESET to reset EDID

Save Preset

After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <Save>.



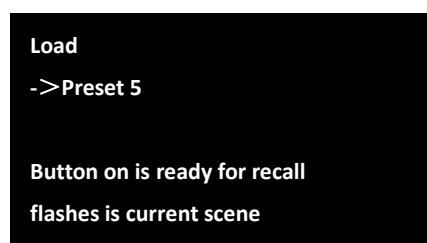
Digital buttons 0-9 will be always on or flashing. **An always-on button** indicates that no preset has not been saved at this position; **A flashing button** indicates that certain preset has been saved at this position already.

Users can turn the rotary knob to select Preset1-Preset16 or use the number button 1, 2, 3, 4, 5, 6, 7, 8, 9, 0 to select Preset1-Preset10. Select the position that will save, push the knob to confirm.

Saving preset in the button with flashing light will **overwrite** the saved parameters before.

Load Preset

After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <Load>.



Digital buttons 0-9 will be always on or flashing. **An always-on button** indicates that certain preset has been saved at this position; **A flashing button** indicates that certain preset has been saved at this position already, which is ready for recall.

System

After the device is boot up, push MENU to enter main menu interface. Then rotate the knob and select <System>.

SN	1024
Black Out	OFF
Software Version	>>
Network Setting	>>
Fan Speed	>>
Language 语言	ENG
Factory Reset	

- SN:** To check serial number of the device.
- Black Out:** Black Out to turn on black effect processing.
- Software Version:** Check module version.
- Network Setting:** Check Mac address and turn DHCP ON/OFF.
- Fan Speed:** Support manual or automatic adjustment of fan speed.
- Language 语言:** English or Chinese available.
- Factory Reset:** Confirm by pushing knob, cancel by pushing any other key.

XPOSE 2.0

Physically Connect Device to Computer

Use RJ11-DB9 serial cable to connect RS232 port of device and computer, or use CAT5/6 cable to connect LAN port of device and computer, or connect both device and computer to the same router.

XPOSE 2.0 Operation

Download XPOSE 2.0 software from RGBlink website.

https://www.rgblink.com/xpose_software.aspx

Please refer to user manual of Q16pro Gen2 1U for how to install and operate XPOSE 2.0.

Contact Information

Warranty:

All video products are designed and tested to the highest quality standard and backed by full 3 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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