



Video {processing} for any scale

Q16pro

Quick Start



- Modular design with flexible input & output combinations
- OSD rolling subtitles
- Custom output resolutions
- Support 8 screens spanning the output port without occupying layers
- Independent display management control
- Custom EDID
- Control via XPOSE or RGBlink OpenAPI

Content

Product Introduction	3
Packing Configuration	4
Hardware Orientation	5
Front Panel	5
Rear Panel	6
Menu Tree	7
Use Your Product	8
Presentation	8
Output Resolution	8
Image Select	9
Split	10
Output Resolution	10
Split Mode	10
Advanced	12
4K Input Mode	12
EDID	12
Input Adjustment	12
Output Adjustment	13
Device Encryption	14
System	15
Scene Management	16
Contact Information	17

Product Introduction

Q16pro edition supports up to 8 inputs, including HDMI 1.3, SD/HD/3G SDI (to be published), HDMI2.0, H.264/265 for 2K and 4K signals. 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 is available to be remote controlled by XPOSE or 3rd party APP / controller by open API.

Q16pro combine rugged design, class-leading video processing and image quality, ultra-low latency, versatile 4K connectivity, live streaming 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 outputs supports up to 4 independent displays, and 8 layers with arbitrary roaming capacity and each 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 SYSTEM CONNECTION DIAGRAM

Packing Configuration

1 x AC Power Cord



2 x HDMI Cable



1 x Network Cable



1 x DB9 to RJ11 Cable



1 x Anti-Static Bag



1 x USB Disk



Note:

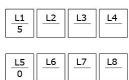
AC Power Cable supplied as standard according to destination market.

Upgrading tool package and user manual are stored in the U disk, please keep it.

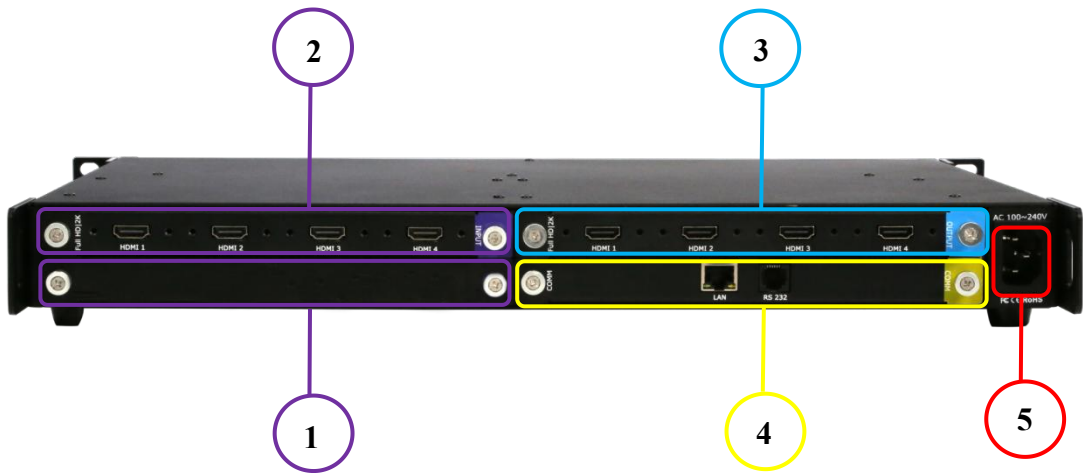
Hardware Orientation

Front Panel



Button Instruction			
	MENU and EXIT		SAVE SCENE
	Adjust size and position of layers		Enter SPLIT menu
	LOAD SCENE		Enter Layout Select menu
	IN1-IN8 input signal selection buttons and 1, 2, 3, 4, 6, 7, 8, 9 digital button		Layer 1-8 and 0, 5 digital button
	Sleep Button		LCD Panel. Display current status of the product, and for feature selections, provides interactive choices in conjunction with buttons on the front panel.
	Confirm by pushing, selecting items by rotating		

Rear Panel



Input Connectors	
1	Optional slots
2	Standard: 4×HDMI-IN, resolutions up to 1920*1080@60, support EDID
Output Connectors	
3	Standard: 4×HDMI-OUT, resolutions up to 1920*1080@60, support EDID
Control Connectors	
4	LAN RJ45 / RS232 RJ11 Use for system upgrade and remote control via APP
Power Socket	
5	1×IEC power socket

Menu Tree

Push 【MENU】 button to enter main menu.

Turn the knob to select corresponding menu item. Push 【MENU】 button to return back to the previous menu.

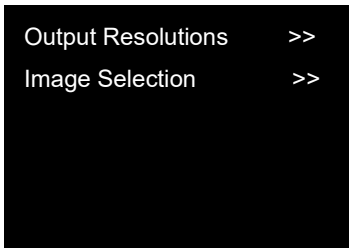
The MENU structure includes Presentation, Split, Advanced, System and Scene Manage, shown in the figure below.

Presentation	Split	Advanced	System	Scene Manage
Output Resolution >>	Output Resolution >>	4KInput Mode >>	SN ffff	Fade Time 1.0 S
Image Select >>	Split Mode >>	EDID >>	BG/Black Key BG	Save To >>
		Input Adjustment >>	Software Version >>	Load From >>
		Output Adjustment >>	Network Setting >>	
		Device Encryption >>	Fan Speed >>	
		Synchronize	Language语言 ENG	
			Factory Reset	

Use Your Product

Presentation

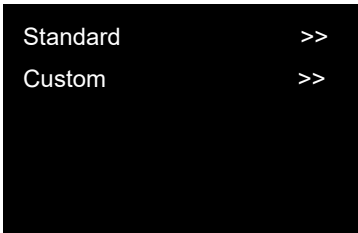
After the device is boot up, push MENU, rotate the knob and select <Presentation>



```
Output Resolutions  >>
Image Selection     >>
```

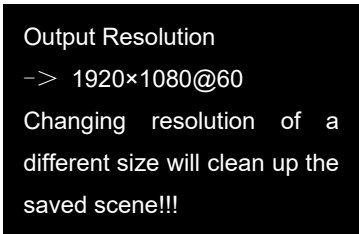
Output Resolution

Output Resolution: Choose Standard or Custom resolution.



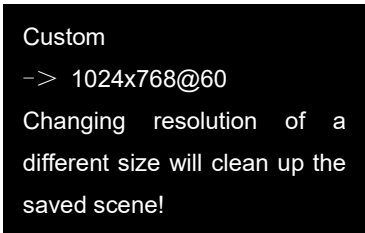
```
Standard  >>
Custom    >>
```

Standard: Push the knob for output resolution selection.



```
Output Resolution
-> 1920x1080@60
Changing resolution of a
different size will clean up the
saved scene!!!
```

Custom: Use 1~9 numbers to key in the width, height and frame rate.



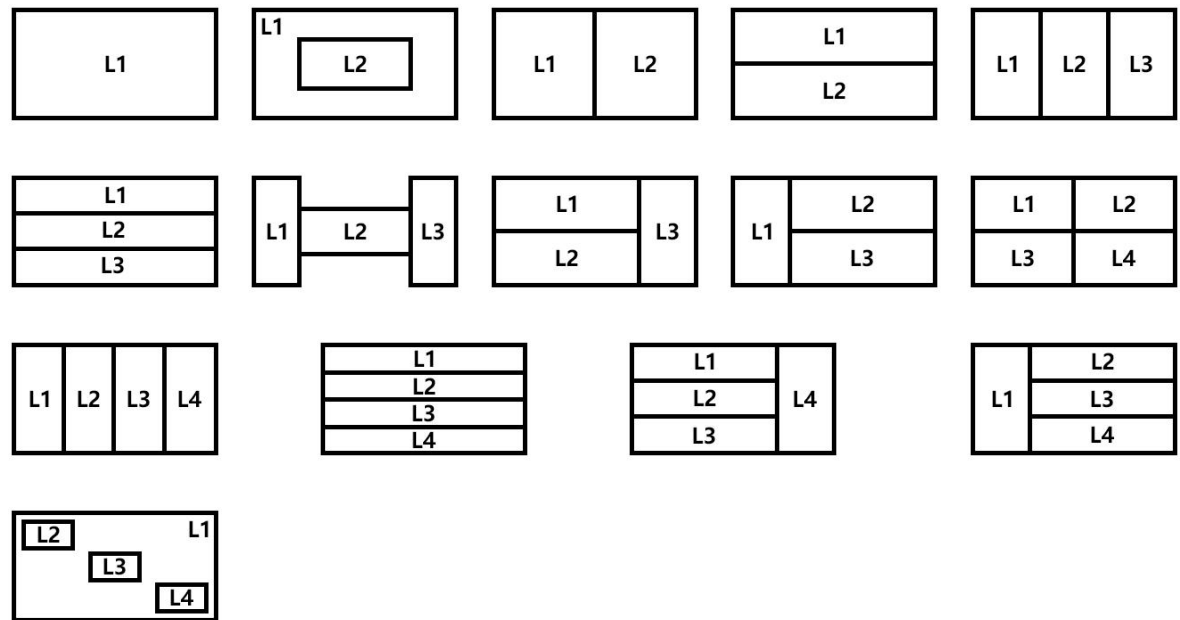
```
Custom
-> 1024x768@60
Changing resolution of a
different size will clean up the
saved scene!
```

Image Select

Image Layout	>>
Image Select	L1
Source	1 DVI
Width	1920
Height	1080

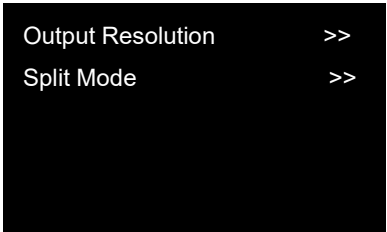
H Pos	0
V Pos	0
Crop	>>
Reset Parameters	

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



Split

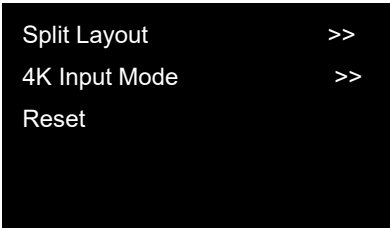
Push MENU, rotate the knob and select <Split>



Output Resolution

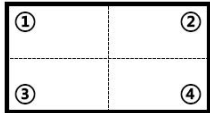
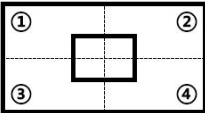
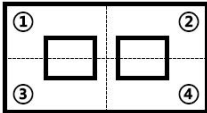
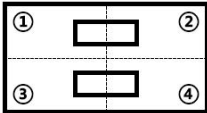
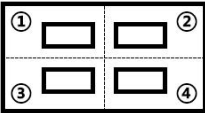
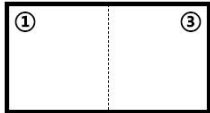
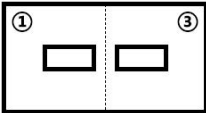
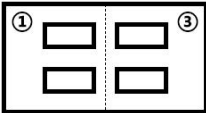
The same operation as shown in last part.

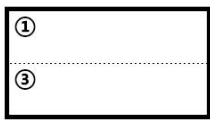
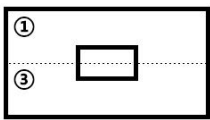
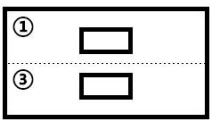
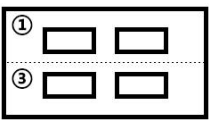
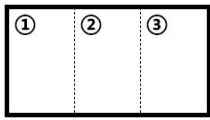
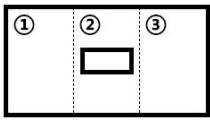
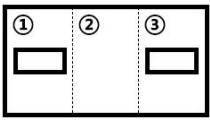
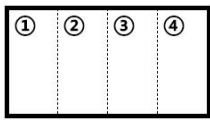
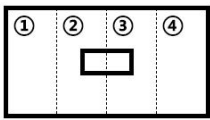
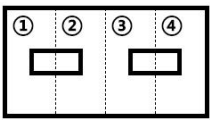
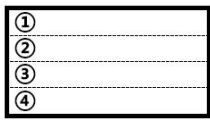
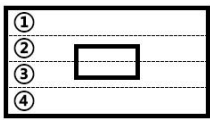
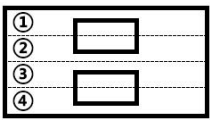
Split Mode



Split Layout

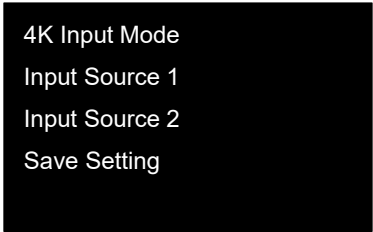
There are 6 background split mode available.

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

V 1/2				
H 1/3				
H 1/4				
V 1/4				

4K Input Mode

The available modes for 4K input module: 2K×1K, 4K×1K, 4K×2K
The chosen mode will be valid on all ports.



Input Source 1: Select one from HDMI 2.0,DP 1.2 in 4K×2K
Input Source 2: Select two from HDMI 2.0,DP 1.2 in 4K×1K

Save Setting to confirm.

Reset

Cancel above setting

Advanced

4K Input Mode	>>	Synchronize
EDID	>>	
Input Adjustment	>>	
Output Adjustment	>>	
Device Encryption	>>	

4K Input Mode

The same operation as shown in Split.

EDID

Destination	8.DP1.2
EDID source	CUSTOM

Destination: 1~8 Input Port

EDID Source: RGBDVI, RGBHDMI

Choose CUSTOM to custom EDID, Choose RESET to reset EDID.

Input Adjustment

Image Quality	>>
Scale	>>
Crop	>>

Image Quality

Input Signal 1-8: Adjust brightness, contrast and color saturation, sharpness and temperature of each input source port.

DVI Mode
 Brightness
 Contrast
 Color Saturation
 Sharpness

Color Red
 Color Green
 Color Blue
 Save Setting
 Reset Parameters

Input 4K Signal:

Brightness
 Contrast
 Color Default Mode
 Color Red
 Color Green

Color Blue
 Save Setting
 Reset Parameters

Scale & Crop

Scale/Crop: Adjust each input source by scale/crop.

Input Signal	3 HDMI 2.0
Width	0
Height	0
H Pos	0
V Pos	0
Save	
Reset	

Output Adjustment

Output Type	>>
Output Exchange	>>

Output Type:

Output Connectors: 1/2/3/4/5/6/7/8 DVI Module (DVI/HDMI)

Output Exchange:

Output Exchange	>>
Save Setting	
Reset Parameters	

Device Encryption

Q16pro supports device encryption. Users should firstly key in default password 20090721 to enter the following interface.

License Status	OFF
Trial Period to	>>
2022.12.01	
Change Password	>>

System

SN	fff
BG/Black Key	BG
Software Version	>>
Network Setting	>>
Fan Speed	>>
Language 语言	ENG
Factory Reset	

- SN:** to check serial number of the device.
- BG/Black Key:**
- BG: Choose to display or not to display background.
- BLACK Key: Black out selected layer.
- 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.

Scene Management

Fade Time	1.0S
Save To	>>
Load From	>>

Fade Time: 0.1S~10.0S.

Save To: Save the scene to SCENE 1-16.

Load From: Load saved scene.

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.

Headquarter: Room 601A, No. 37-3 Banshang community, Building 3, Xinke Plaza, Torch Hi-Tech Industrial Development Zone, Xiamen, China

- **Tel:** +86-592-5771197
- **Fax:** +86-592-5788216
- **Customer Hotline:** 4008-592-315
- **Web:**
 - ~ <http://www.rgblink.com>
 - ~ <http://www.rgblink.cn>
- **E-mail:** support@rgblink.com