



# Q16pro Gen2 1U

## 4K Multi-Layer Videowall Processor



**Technical Specification**

## Revision History

Version	Date	Description	Principal
V1.0	2023-03-30	First release	Aster
V1.1	2023-05-19	Revise resolutions	Aster
V1.2	2023-05-21	<ol style="list-style-type: none"> <li>1. Add input&amp;output module parameters</li> <li>2. Add video source specifications</li> <li>3. Add notes and cautions</li> </ol>	Aster
V1.3	2023-06-12	Update max width and max height of dual HDMI 2.0 & DP 1.2 input module	Aster
V1.4	2023-08-14	<ol style="list-style-type: none"> <li>1. Update module parameters</li> <li>2. Add module weights</li> </ol>	Aster

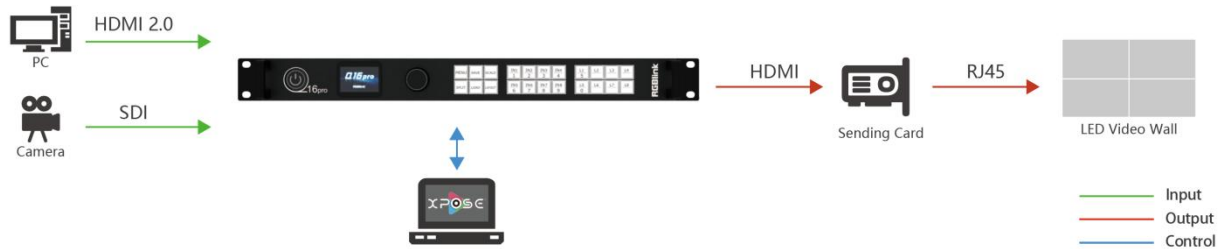
## Product Overview

Q16pro Gen2 1U adopts **modular design**, which supports up to **8 inputs**, including quad HDMI 1.3, 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**.



## Features

### Inputs & Outputs

- **2 types of device configuration**
  - \* Q16pro Gen2 1U 2K Standard
    - 1 x Host (with Communication Module)
    - 1 x Quad HDMI 1.3 Input Module
    - 1 x Quad HDMI 1.3 Output Module
  - \* Q16pro Gen2 1U
    - 1 x Host (with Communication Module)
- **4 types of pluggable input modules, user configurable**
  - \* Quad HDMI 1.3 Input Module
  - \* Dual HDMI 2.0 & DP 1.2 Input Module
  - \* Quad 3G SDI Input Module
  - \* Quad DVI Input Module
  - \* Single IP Input Module
- **4 types of pluggable output modules, user configurable**
  - \* Quad HDMI 1.3 Output Module
  - \* Dual DP 1.2 Output Module
  - \* Dual HDMI 2.0 Output Module
  - \* Quad DVI Output Module
  - \* Quad SDI Output Module

### Key Features

- 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

## Device Controls

- **XPOSE Software Control**  
Q16pro Gen2 1U can be connected to the XPOSE software for smart and convenient device management.
- **Panel Control**  
Front panel operation.
- **Remote Control**  
Connect remote controller to USB port of the communication module.

## Appearance

### Front Panel






Name	Description
Power Button	<ul style="list-style-type: none"> <li>● Press the button to power on or power off the device.</li> <li>● Button light turns red when powered on.</li> </ul>
LCD Panel	Display current status of the device, and provide interactive choices in conjunction with buttons on the front panel.
Knob	<ul style="list-style-type: none"> <li>● Rotate the knob to select a item.</li> <li>● Press the knob to confirm the operation.</li> </ul>
Buttons	<ul style="list-style-type: none"> <li>● MENU: 1) Enter main menu; 2) Back to the previous menu.</li> <li>● SAVE: Push SAVE+Digital Button to save scenes to SCENE1-16.</li> <li>● SCALE: Adjust width, height, H position and V position of layers.</li> <li>● SPLIT: Select layout for Split Mode.</li> <li>● LOAD: Push LOAD+Digital Button to load scenes.</li> <li>● LAYOUT: Select layout for Presentation Mode.</li> <li>● IN1-IN8: 1) Input signal selection buttons; 2) 1, 2, 3, 4, 6, 7, 8, 9 digital button.</li> <li>● L1-L8: 1) Layer selection buttons; 2) L1 and L5 as 5, 0 digital button</li> </ul>
Handles	For carrying device.
Rack Mount Ears	Use with the load-bearing screws to fix device on the rack.




**Note:** Please refer to < Q16pro Gen2 1U User Manual > for more details of buttons.

## Rear Panel




Name	Description
Input Slots	<ul style="list-style-type: none"> <li>Support quad HDMI 1.3, quad DVI, quad 3G SDI, dual HDMI 2.0 &amp; DP 1.2, single IP and other optional input modules</li> <li> purple tip indicates input</li> </ul>
Output Slots	<ul style="list-style-type: none"> <li>Support quad HDMI 1.3, quad DVI, dual HDMI 2.0, dual DP 1.2, quad SDI and other optional output modules</li> <li> blue tip indicates output</li> </ul>
Communication Module	<ul style="list-style-type: none"> <li>1xLAN, 1xRS 232, 1xUSB</li> <li> yellow tip indicates communication</li> </ul>
Power Module	1xIEC power socket
Interface Protector	Used to pull out device, fix cables and protect interfaces from collision


## Module Specification


INPUT MODULE			
<b>Input Module 1: Quad HDMI 1.3 Input Module</b>			
		<b>Key Features</b> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Support HDMI(with HDCP) inputs</li> <li>• Input resolution up to 1920×1080@60Hz</li> <li>• EDID management</li> <li>• Support hot swap</li> </ul>	
<b>Connectors</b>	<b>Input</b>	4xHDMI-A	
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE/VESA</b> 1024×768p@60/75/85   1280×720p@60   1280×800p@60   1280×1024p@60/75/85   1360×768p@60   1366×768p@60   1400×1050p@60   1440×900p@60   1600×1200 p@60   1680×1050p@60   1920×1080p@30/50/60   1920×1080i@50/59.94/60   Custom	
	<b>Custom Resolutions</b>	<b>Support</b>	1920×1200p@60   2048×1152p@60
		<b>Not supported</b>	3840×640p@60   640×3840p@60   2560×960p@60   1536×1536p@60   3840×1080 p@30
		Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.	
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>• Max width: 048 (2048x1080p@60)</li> <li>• Max height: 3072 (576x3072p@60)</li> </ul>	
	<b>Frame Rate</b>	60Hz	
	<b>Overall Bandwidth</b>	207W	
	<b>EDID Management</b>	Support	
	<b>HDCP</b>	HDCP1.X compliant	
<b>Physical</b>	<b>Weight</b>	0.28kg	
	<b>Dimension</b>	202mm x 190.8mm x 20mm	
<b>Order Code</b>	<b>Product Code</b>	790-1004-01-0	


INPUT MODULE		
Input Module 2: Dual HDMI 2.0 & DP 1.2 Input Module		
		<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Support HDMI(with HDCP) inputs</li> <li>• Input resolution up to 7680×1080@60Hz</li> <li>• EDID management</li> <li>• Support hot swap</li> </ul>
<b>Connectors</b>	<b>Input</b>	2xHDMI-A   2xDP
<b>Performance</b>	<b>Resolution</b>	<p><b>SMPTE</b></p> <p>720x480p@60   720x576p@50   1280x720p@30/50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   3840x2160p@25/30/50/60   Custom</p> <p><b>VESA</b></p> <p>640x480p@60/75/85   800x600p@60/75/85   1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1360x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1600x1200p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   2048x1152p@60   3840x2160p@25/30/50/60   7680x1080p@60</p>
	<b>Custom Resolutions</b>	<p><b>Support</b></p> <p>4096x2160p@25/30/50/60</p> <p><b>Not supported</b></p> <p>NTSC (480i@60)   PAL (576i@50)   1280x720p@23.98/24/25/29.97/30   1920x1080i@50/59.94/60</p> <p>Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.</p>
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>• Max width: 4096 ( 4096x2160p@60 )</li> <li>• Max height: 4080 ( 1920x4080p@60 )</li> </ul>
	<b>Frame Rate</b>	120Hz
	<b>Overall Bandwidth</b>	829W
	<b>EDID Management</b>	Support
	<b>Note</b>	Four input signals can be connected but CANNOT be used simultaneously, ONLY select one to use.
	<b>Physical</b>	<b>Weight</b>
<b>Dimension</b>		202mm x 190.8mm x 20mm
<b>Order Code</b>	<b>Product Code</b>	790-1004-02-0


INPUT MODULE		
Input Module 3: Quad DVI Input Module		
		<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>Fully modular architecture</li> <li>Support HDMI(with HDCP) inputs</li> <li>Input resolution up to 1920×1080@60Hz</li> <li>EDID management</li> <li>Support hot swap</li> </ul>
<b>Connectors</b>	<b>Input</b>	4xDVI-I
<b>Performance</b>	<b>Resolution</b>	<p><b>SMPTE/VESA</b></p> <p>1024×768p@60/75/85   1280×720p@60   1280×800p@60   1280×1024p@60/75/85   1360×768p@60   1366×768p@60   1400×1050p@60   1440×900p@60   1600×1200p@60   1680×1050p@60   1920×1080p@30/50/60   1920×1080i@50/59.94/60   Custom</p>
	<b>Custom Resolutions</b>	<p><b>Not supported</b></p> <p>1920×1200p@60   2048×1152p@60   3840×640p@60   640×3840p@60   2560×960p@60   1536×1536p@60   3840×1080p@30</p> <p>Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.</p>
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>Max width: 2048 (2048x1080p@60)</li> <li>Max height: 3072 (576x3072p@60)</li> </ul>
	<b>Frame Rate</b>	60Hz
	<b>Overall Bandwidth</b>	207W
	<b>EDID Management</b>	Support
	<b>HDCP</b>	HDCP 1.X compliant
<b>Physical</b>	<b>Weight</b>	0.27kg
	<b>Dimension</b>	202mm x 190.8mm x 20mm
<b>Order Code</b>	<b>Product Code</b>	790-1004-03-0





INPUT MODULE		
Input Module 4: Quad 3G SDI (LOOP) Input Module		
		<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Input resolution up to 1920×1080@60Hz</li> <li>• Support hot swap</li> </ul>
<b>Connectors</b>	<b>Input</b>	8xBNC (4 IN   4 LOOP)
<b>Performance</b>	<b>Resolution</b>	<p><b>SMPTE</b></p> <p>1280x720p@50/60   1920×1080i@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60</p>
	<b>Standard</b>	<ul style="list-style-type: none"> <li>• Support ST-424 (3G), ST292 (HD) standard video inputs.</li> <li>• Support 3G-Level A/Level B (DS mode).</li> </ul>
	<b>Frame Rate</b>	60Hz
	<b>Overall Bandwidth</b>	207W
	<b>Interlaced Signal Inputs</b>	Support
<b>Physical</b>	<b>Weight</b>	0.40kg
	<b>Dimension</b>	202mm x 190.8mm x 20mm
<b>Order Code</b>	<b>Product Code</b>	790-1004-04-0


INPUT MODULE		
<b>Input Module 5: Single IP Input Module</b>		
		<b>Key Features</b> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Support 16*1080p@30 decoding</li> <li>• Support RTSP/RTMP network protocol</li> <li>• Support hot swap</li> </ul>
<b>Connectors</b>	<b>Input</b>	1xUSB-A   1xRJ45
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE</b> 720p@30/50/60   1080p@30/50/60   2160p@30
	<b>Network Protocol</b>	<ul style="list-style-type: none"> <li>• RTSP</li> <li>• RTMP</li> </ul>
	<b>Decoding Standard</b>	<ul style="list-style-type: none"> <li>• H.265 Main Profile Level 5.1</li> <li>• H.264 Baseline/Main/High Profile Level 5.0</li> </ul>
<b>Physical</b>	<b>Weight</b>	0.28kg
	<b>Dimension</b>	202mm x 190.8mm x 20mm
<b>Order Code</b>	<b>Product Code</b>	790-1004-05-0


OUTPUT MODULE			
Output Module 1: Dual DP 1.2 Output Module			
		<b>Key Features</b> <ul style="list-style-type: none"> <li>Fully modular architecture</li> <li>Output resolution up to 3840×2160@60Hz</li> <li>Support hot swap</li> </ul>	
<b>Connectors</b>	<b>Output</b>	2xDP	
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE/VESA</b> 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1360x768p@60   1366x768p@60   1400x1050p@60   1440x900p@60   1600x1200p@60   1680x1050p@60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   1920x1200p@60   2560x816p@60   2048x1152p@60   2560x1440p@60   2560x1600p@60   3840x1080p@60   3840x2160p@25/29.97/30/50/59.94/60   Custom	
	<b>Custom Resolutions</b>	<b>Support</b>	4096x2160p@25/29/30/50/59
		<b>Not supported</b>	1920x1080i@50/59.94/60   4096x2160p@29.97/59.94/60   7680x1080p@60
		Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.	
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>Max width: 5760</li> <li>Max height: 2160</li> </ul>	
	<b>Frame Rate</b>	120Hz	
<b>Overall Bandwidth</b>	829W		
<b>Physical</b>	<b>Weight</b>	0.26kg	
	<b>Dimension</b>	202mm x 190.8mm x 20mm	
<b>Order Code</b>	<b>Product Code</b>	791-0004-21-0	

OUTPUT MODULE			
Output Module 2: Quad HDMI 1.3 Output Module			
		<b>Key Features</b> <ul style="list-style-type: none"> <li>Fully modular architecture</li> <li>Output resolution up to 2048×1152@60Hz</li> <li>Support hot swap</li> </ul>	
<b>Connectors</b>	<b>Output</b>	4xHDMI-A	
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE/VESA</b> 1024×768p@60/75/85   1280×720p@59.94/60   1280×800p@60   1280×1024p@60/75/85   1360×768p@60   1400×1050p@60   1440×900p@60   1600×1200p@60   1680×1050p@60   1920×1080p@30/50/60   1920×1080i@50/59.94/60   1920×1200p@60   2048×1152p@60   Custom	
	<b>Custom Resolutions</b>	<b>Support</b>	2560×960p@60   1536×1536p@60   3840×640p@60   3840×1080p@30
		<b>Not supported</b>	1366×768p@60   640×3840p@60
			Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.
	<b>Max Width/Height</b>		<ul style="list-style-type: none"> <li>Max width:3840 (3840x640p@60)</li> <li>Max height: 3552 (576x3552p@60)</li> </ul>
	<b>Frame Rate</b>		60Hz
<b>Overall Bandwidth</b>		245W	
<b>Physical</b>	<b>Weight</b>	0.27kg	
	<b>Dimension</b>	202mm x 190.8mm x 20mm	
<b>Order Code</b>	<b>Product Code</b>	790-1004-22-0	

OUTPUT MODULE			
Output Module 3: Quad DVI Output Module			
		<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Output resolution up to 2048×1152@60Hz</li> <li>• Support hot swap</li> </ul>	
<b>Connectors</b>	<b>Output</b>	4xDVI-I	
<b>Performance</b>	<b>Resolution</b>	<p><b>SMPTE/VESA</b></p> <p>1024×768p@60/75/85   1280×720p@59.94/60   1280×800p@60   1280×1024p@60/75/85   1360×768p@60   1400×1050p@60   1440×900p@60   1600×1200p@60   1680×1050p@60   1920×1080p@30/50/60   1920×1080i@50/59.94/60   1920×1200p@60   2048×1152p@60   Custom</p>	
	<b>Custom Resolutions</b>	<b>Support</b>	2560×960p@60   1536×1536p@60   3840×640p@60   3840×1080p@30
		<b>Not supported</b>	1366×768p@60   640×3840p@60
		Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.	
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>• Max width: 3840 (3840x640p@60)</li> <li>• Max height: 3552 (576x3552p@60)</li> </ul>	
	<b>Frame Rate</b>	60Hz	
<b>Overall Bandwidth</b>	245W		
<b>Physical</b>	<b>Weight</b>	0.28kg	
	<b>Dimension</b>	202mm x 190.8mm x 20mm	
<b>Order Code</b>	<b>Product Code</b>	790-1004-23-0	

OUTPUT MODULE			
<b>Output Module 4: Dual HDMI 2.0 Output Module</b>			
		<b>Key Features</b> <ul style="list-style-type: none"> <li>Fully modular architecture</li> <li>Output resolution up to 3840x2160@60Hz</li> <li>Support hot swap</li> </ul>	
<b>Connectors</b>	<b>Output</b>	2xHDMI-A	
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE/VESA</b> 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1360x768p@60   1366x768p@60   1400x1050p@60   1440x900p@60   1600x1200p@60   1680x1050p@60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   1920x1200p@60   2560x816p@60   2048x1152p@60   2560x1440p@60   2560x1600p@60   3840x1080p@60   3840x2160p@25/29.97/30/50/59.94/60   Custom	
	<b>Custom Resolutions</b>	<b>Support</b>	4096x2160p@25/29/30/50/59
		<b>Not supported</b>	1920x1080i@50/59.94/60   4096x2160p@29.97/59.94/60   7680x1080p@60
		Note: Resolutions listed above have been tested already, for other custom resolutions not mentioned, please refer to the actual use.	
	<b>Max Width/Height</b>	<ul style="list-style-type: none"> <li>Max width: 4320 (4320x1080p@60)</li> <li>Max height: 4000 (1920x4000p@60)</li> </ul>	
	<b>Frame Rate</b>	120Hz	
<b>Overall Bandwidth</b>	829W		
<b>Physical</b>	<b>Weight</b>	0.28kg	
	<b>Dimension</b>	202mm x 190.8mm x 20mm	
<b>Order Code</b>	<b>Product Code</b>	790-1004-26-0	

OUTPUT MODULE		
Output Module 5: Quad 3G SDI Output Module		
		<p><b>Key Features</b></p> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Output resolution up to 1920×1080@60Hz</li> <li>• Support hot swap</li> </ul>
<b>Connectors</b>	<b>Output</b>	4xBNC
<b>Performance</b>	<b>Resolution</b>	<b>SMPTE</b> 1280x720p@50/59.94/60   1920x1080i@50/59.94/60   1920x1080p@23.98/24/25/ 29.97/30/50/59.94/60
	<b>Frame Rate</b>	60Hz
	<b>Overall Bandwidth</b>	207W
<b>Physical</b>	<b>Weight</b>	0.34kg
	<b>Dimension</b>	202mm x 190.8mm x 20mm
<b>Order Code</b>	<b>Product Code</b>	790-1004-29-0

COMMUNICATION MODULE		
<b>Communication Module: Communication Module with LAN, RS232, USB</b>		
		<b>Key Features</b> <ul style="list-style-type: none"> <li>• Fully modular architecture</li> <li>• Support hot swap</li> </ul>
Connectors	Type	Description
	1xLAN	Ethernet port for system upgrade and remote control via XPOSE.
	1xRS232	Serial port for system upgrade and remote control via XPOSE.
	1xUSB	USB port, used to connect remote controller.
Physical	Weight	0.30kg
	Dimension	202mm x 190.8mm x 20mm



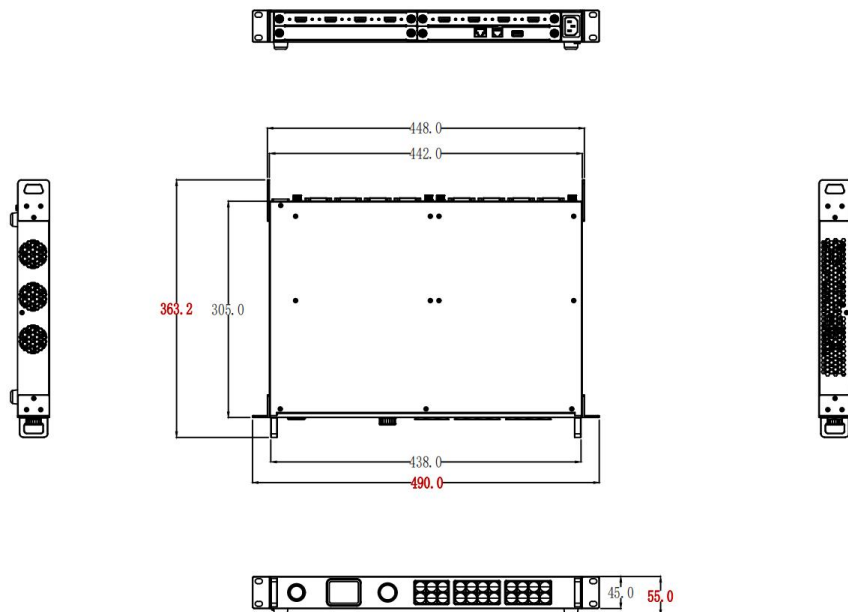
## Others



Name	Description
Ground Screw	Increase the safety and reliability, and avoid accidents such as fire and explosion caused by static electricity.
Shockproof Foot	Four shockproof pads to support device and protect device away from inevitable knocks under transportation.

## Dimensions

Dimension of Q16pro Gen2 1U: 490mm x 363.2mm x 55mm



unit: mm

## Product Technical Specification

Physical	Specification	1U	
	Net Dimension	490mm x 363.2mm x 55mm	
	Package Dimension	530mm x 440mm x 120mm	
	Net Weight	3.8kg	
	Packaged Weight	5.5kg	
	Module Weight	Quad HDMI 1.3 Input Module	0.28kg
		Dual HDMI 2.0 & DP 1.2 4K@60 Input Module	0.27kg
		Quad DVI Input Module	0.27kg
		Quad 3G SDI Input Module	0.40kg
		Single IP Input Module	0.28kg
		Dual DP 1.2 Output Module	0.26kg
		Quad HDMI 1.3 Output Module	0.27kg
		Quad DVI Output Module	0.28kg
		Dual HDMI 2.0 Output Module	0.28kg
Quad SDI Output Module		0.34kg	
Communication Module	0.30kg		
What's included	2 x HDMI Cable 1 x Network Cable 1 x DB9 to RJ11 Cable 1 x Power Cable 1 x Anti-static Bag		
Supported Standards	SDI	SD/HD/3G	
	HDMI	2.0 (HDCP 2.2 supported)	
	DVI	1.0	
	DP	1.2	
	IP	H.265	
Power	Input Voltage	AC 100V-240V, 50/60Hz	
	Max Power	65W	
Working Environment	Temperature	-5°C ~ 45°C	
	Humidity	10%~85%, RH	
Certificate		CE, FCC, RoHS	



**Note:** Power consumption may vary depending on various factors such as product settings, usage, and environment. Specifications are correct at time of printing and subject to change or alteration without notice!

## Video Source Specifications

INPUT		Features		
		Bit Depth	Color Space/Sampling	Input Resolutions
Input Module 1	HDMI 1.3	8bit	RGB4:4:4	1920x1080@60
			YUV4:4:4	
			YUV4:2:2	
		10bit	RGB4:4:4	1920x1080@30
			YUV4:4:4	
			YUV4:2:2	
		12bit	RGB4:4:4	1920x1080@30
			YUV4:4:4	
		Input Module 2	DVI	8bit
YUV4:4:4				
YUV4:2:2				
10bit	RGB4:4:4			1920x1080@30
	YUV4:4:4			
	YUV4:2:2			
12bit	RGB4:4:4			1920x1080@30
	YUV4:4:4			
Input Module 3	SDI			10bit
Input Module 4	HDMI 2.0	8bit	RGB4:4:4	3840x2160@60
			YUV4:4:4	
			YUV4:2:2	
	Note	<ul style="list-style-type: none"> <li>For requirements of other resolutions, frame rates and bit depths on input module, please contact RGBlink for customization.</li> <li>YUV4:2:0 is not supported.</li> </ul>		
OUTPUT		Features		
		Bit Depth	Color Space/Sampling	Output Resolutions
Output Module 1	HDMI 1.3	8bit	RGB4:4:4	1920x1080@60
			YUV4:4:4	
			YUV4:2:2	
		10bit	RGB4:4:4	1920x1080@30
			YUV4:4:4	
			YUV4:2:2	
		12bit	RGB4:4:4	1920x1080@30
			YUV4:4:4	
		Output Module 2	DVI	8bit
YUV4:4:4				
YUV4:2:2				
10bit	RGB4:4:4		1920x1080@30	

			YUV4:4:4	1920x1080@30
			YUV4:2:2	
		12bit	RGB4:4:4	
		YUV4:4:4		
Output Module 3	HDMI 2.0	8bit	RGB4:4:4	3840x2160@60
			YUV4:4:4	
			YUV4:2:2	
Output Module 4	DP 1.2	8bit	RGB4:4:4	3840x2160@60
			YUV4:4:4	
			YUV4:2:2	
	Note	<ul style="list-style-type: none"> <li>• For requirements of other resolutions, frame rates and bit depths on output module, please contact RGBlink for customization.</li> <li>• YUV4:2:0 is not supported.</li> </ul>		

## Notes and Cautions

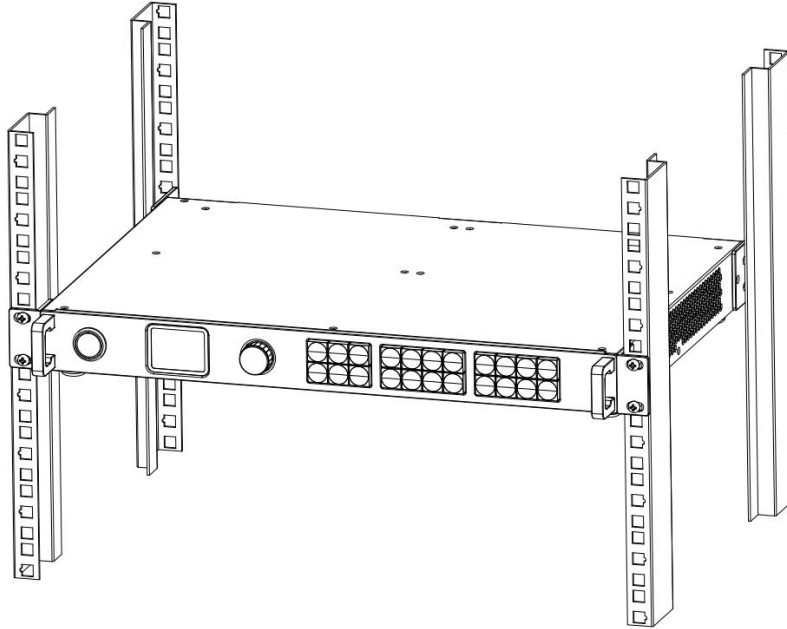
### Notes for Battery

The general safety information in this summary is for operating personnel.

- **Do Not Remove Covers or Panels** — There are no user-serviceable parts within the unit. Removal of the top cover will expose dangerous voltages. To avoid personal injury, do not remove the top cover. Do not operate the unit without the cover installed.
- **Power Source** — This product is intended to operate from a power source that will not apply more than 230 volts rms between the supply conductors or between both supply conductor and ground. A protective ground connection by way of grounding conductor in the power cord is essential for safe operation.
- **Grounding the Product** — This product is grounded through the grounding conductor of the power cord. To avoid electrical shock, plug the power cord into a properly wired receptacle before connecting to the product input or output terminals. A protective-ground connection by way of the grounding conductor in the power cord is essential for safe operation.
- **Use the Proper Power Cord** — Use only the power cord and connector specified for your product. Use only a power cord that is in good condition. Refer cord and connector changes to qualified service personnel.
- **Use the Proper Fuse** — To avoid fire hazard, use only the fuse having identical type, voltage rating, and current rating characteristics. Refer fuse replacement to qualified service personnel.
- **Do Not Operate in Explosive Atmospheres** — To avoid explosion, do not operate this product in an explosive atmosphere.

## Notes for Installation

When the product needs to be installed on the rack, 4 screws at least M5\*12 should be used to fix it. The rack for installation shall bear at least 42kg weight.



- **Safety Precautions** — To protect users from electric shock, ensure that the chassis connects to earth via the ground wire provided in the AC power Cord. The AC Socket-outlet should be installed near the equipment and be easily accessible.
- **Unpacking and Inspection** — Before opening device shipping box, inspect it for damage. If you find any damage, notify the shipping carrier immediately for all claims adjustments. As you open the box, compare its contents against the packing slip. If you find any shortages, contact your sales representative.
- **Site Preparation** — The environment in which you install your device should be clean, properly lit, free from static, and have adequate power, ventilation, and space for all components.
- **Mechanical Loading** — Mounting of the device in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

## Order Codes

Product Code	Item
712-0004-05-0	Q16pro Gen2 1U 2K Standard: 1 x Host (Communication Module Included) 1 x HDMI 1.3 Input Module 1 x HDMI 1.3 Output Module
712-0004-05-1	Q16pro Gen2 1U: 1 x Host (Communication Module Included)
790-1004-01-0	Q16pro Gen2 1U Quad HDMI 1.3 Input Module
790-1004-02-0	Q16pro Gen2 1U Dual HDMI 2.0 & DP 1.2 4K@60 Input Module
790-1004-03-0	Q16pro Gen2 1U Quad DVI Input Module
790-1004-04-0	Q16pro Gen2 1U Quad 3G SDI Input Module
790-1004-05-0	Q16pro Gen2 1U Single IP Input Module
791-0004-21-0	Q16pro Gen2 1U Dual DP 1.2 Output Module
790-1004-22-0	Q16pro Gen2 1U Quad HDMI 1.3 Output Module
790-1004-23-0	Q16pro Gen2 1U Quad DVI Output Module
790-1004-26-0	Q16pro Gen2 1U Dual HDMI 2.0 Output Module
790-1004-29-0	Q16pro Gen2 1U Quad SDI Output Module

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