

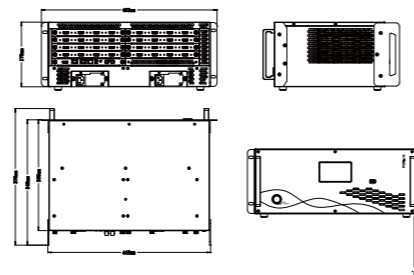
Model	Q16pro Gen2 2U	Q16pro Gen2 4U	Q16pro Gen2 8U	Q16pro Gen2 14U (preliminary)	
Specification	2U	4U	8U	14U	
Input Slots	3	4	10	20	
Output Slots	2	4	10	20	
Shared Slots	nonsupport	Output slot No.1~No.4	Output slot No.1~No.8	Output slot No.1~No.18	
Interface	Net Weight	6.0kg	8.5kg	15.0kg	
	Package Weight	9.7kg	12kg	20.0kg	
Physical	Net Dimension	483.4x377x89mm	483.4mm x 446mm x 178mm	488x370x355.6mm	
	Package Dimension	630x585x250mm	630mm x 585mm x 250mm	665x525x495mm	
Connectors	Input Connectors	Optional DVI SDI (SD/HD/3G) HDMI 1.3	4xDVI-I (Compatible HDMI/DVI/VGA/YPbPr/CVBS) 8xBNC (4 In   4 Loop) 4xHDMI-A	DP 1.2   HDMI 2.0 H.265	2xDP   2xHDMI-A 1xUSB   1xRJ45
	Output Connectors	Optional DP1.2 DVI HDMI 1.3 DANTE STREAMING	2xDP 4xDVI-I (Compatible VGA) 4xHDMI-A 2xHDMI-A   1xRJ45   1xRJ45(backup) 1xRJ45   1xUSB3.0   1xType C	H.265 HDMI 2.0 SDI (SD/HD/3G) AUDIO	1xUSB   1xRJ45 2xHDMI-A 4xBNC 4x3.5mm Audio
Connectors	Communication Connectors	Optional LAN PVW Genlock	1xRJ45 1xHDMI-A 2 x BNC (1 In   1 Loop)	LAN H.265 HDBaseT	1xRJ45 1xRJ45 4xRJ45
	Input Resolutions	Select from below or configure customized HDMI 1.3 DVI SMPTE 720x480p@60   720x576p@50   1280x720p@23.98/24/25/29.97/30/50/59.94/60   1920x1080p@50/59.94/60   1920x1080p@24/25/29.97/30/50/59.94/60   Custom VESA 1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1366x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   1536x960p@60   1840x960p@60   1920x1152p@60   1872x1152p@60   Custom HDMI 2.0   DP 1.2 SMPTE 480i@60   720x480p@60   576i@50   720x576p@50   1280x720p@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60   3840x1080p@30/60   3840x2160p@25/30/50/60   Custom VESA 640x480p@60/75/85   800x600p@60/75/85   1024x768p@60/75/85   1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1366x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   2048x1152p@60   2560x1440p@60   2560x1440p@60   2560x1440p@60   3840x1600p@60   3840x2160p@25/30/50/60   Custom 3G SDI SMPTE 480i@60   720x480p@60   576i@50   1280x720p@50/59.94/60   1920x1080p@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60 VESA 1920x1080p@60 H.265 SMPTE 720p@30/50/60   1080p@30/50/60   2160p@30/60 Output Resolutions Select from below or configure customized HDMI 1.3 DVI SMPTE/VESA 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1366x768p@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   1536x960p@60   1840x960p@60   1920x1152p@60   1920x1200p@60   1872x1152p@60   2048x1152p@60   1536x1536p@60   2048x1080p@60   12304x1080p@60   2560x960p@60   3840x640p@60   3840x1080p@30   640x3840p@30/50   512x3840p@50   1152x1536p@60   Custom HDMI 2.0   DP 1.2 SMPTE/VESA 1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@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   2560x1440p@60   3840x1080p@60   3840x2160p@25/30/50/60   4096x2160p@25/50/59.94/60   1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@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   2560x1440p@60   3840x1080p@60   3840x2160p@25/50/59.94/60   Custom 3G SDI SMPTE 1280x720p@50/59.94/60   1920x1080p@23.98/24/25/29.97/30/50/59.94/60 Supported Standard SDI 3G H.265 H.265 DVI DVI-1.0 HDMI 2.0 HDBaseT DP 1.2			
Power	Input Voltage	AC 100V-240V, 50/60Hz (2U and above support dual PSU)			
Working Environment	Temperature	0°C~45°C			
	Humidity	15%~85%, RH			
Storage Environment	Temperature	0°C~55°C			
	Humidity	5%~85%, RH			

### Order Codes

Product Code	Item
710-1002-06-1	Q16pro Gen2 2U (Communication Module with PVW Included)
710-1002-01-0	Q16pro Gen2 4U (Communication Module with PVW Included)
710-1002-07-1	Q16pro Gen2 8U (Communication Module Included)
710-1002-08-0	Q16pro Gen2 14U (preliminary)
790-1002-01-0	Q Series Quad HDMI 1.3 Input Module
790-1002-02-0	Q Series Single IP Input Module
790-1002-03-0	Q Series Quad HDMI 2.0 & DP 1.2 Input Module
790-1002-04-0	Q Series Quad 3G SDI (LOOP) Input Module
790-1002-05-0	Q Series Quad DVI Input Module
790-1002-07-0	Q Series Dual HDMI 1.3 & Dual DVI Input Module
790-1002-08-0	Q Series Quad HDBaseT Input Module

Product Code	Item
790-1002-06-0	Q Series Quad Input & Quad Output Analog Audio Module
790-1002-21-0	Q Series Quad HDMI 1.3 Output Module
790-1002-22-0	Q Series Communication Module with PVW
790-1002-23-0	Q Series Dual HDMI 2.0 Output Module
790-1002-25-0	Q Series Quad 3G SDI Output Module
790-1002-26-0	Q Series Quad DVI Output Module
790-1002-29-0	Q Series Streaming Output Module
790-1002-30-0	Q Series Dual HDMI 1.3 Output Module with Dante
790-1002-48-0	Q Series Quad HDBaseT Output Module
950-0016-00-0	Q Series 300W Redundant Power Module (for 2U)
950-0040-01-0	Q Series 300W Redundant Power Module (for 4U)
950-0017-00-0	Q Series 300W Redundant Power Module (for 8U)

### Dimensions



# Q16pro Gen2

Multi-Window splicing processor  
for LCD & LED Videowall



**HDMI HDCP™**

Proudly designed and manufactured in Xiamen Hi Technology Zone, China  
WEB: www.rgblink.com EMAIL: sales@rgblink.com PHONE: +86 592 5771197

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Q16pro Gen2 is a high-performance video image processing system and high-performance video splicing server using pure hardware and leading-edge FPGA processing architecture. Offering a range of input and output signals via a card-based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16pro Gen2 is a stable high-performance platform that can be deployed in varied applications including corporate and visual messaging as well in retail and digital signage applications. The Q16pro Gen2 models allow connection of 4K video sources as well as output to 4K, with outputs offering multi-screen and multi-layer capabilities. A host of features are built in to Q16pro Gen2, including EDID management, 3D image processing, and highly configurable OSD features at high-definition.

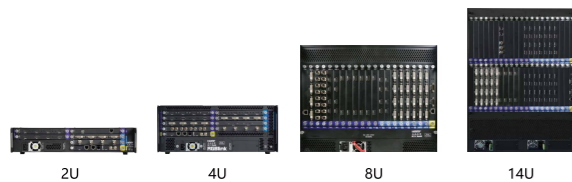
### Multi- Layer Multi-Window

Q16 pro offers up to 8~16x2K windows or 4x4K windows per output slot. Layer resources able to be freely used across any of the outputs within a slot for maximum availability and efficiency, including combinations of both 2K and 4K layer windows. Q16 pro layering allows multi-window applications for large scale and spanning multiple display outputs



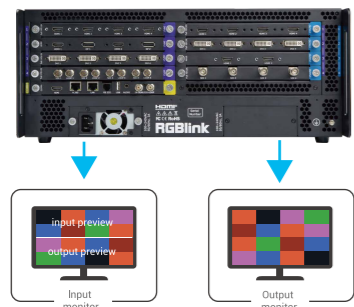
### Frame Sizes for Every Scale

Q16pro Gen2 models range from the compact 2U through to 14U with up to 80 inputs and 80 outputs with common modules across the range. Q16pro Gen2 is truly scalable for even the largest applications.



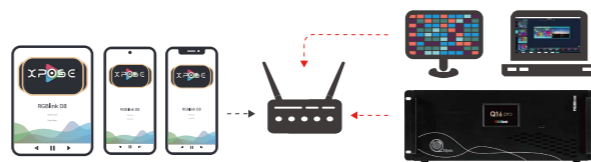
### Input and output preview

Equipped with 2 high-definition multi-screen monitoring output interfaces, it can monitor 16 input or 16 output at the same time. Among them, 16 input source preview supports 4/9/16 screen division.



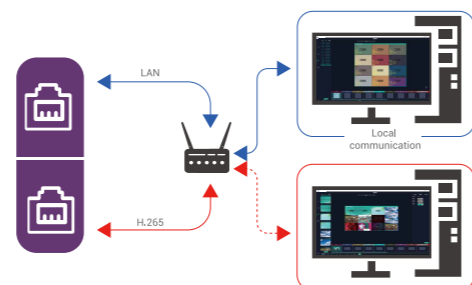
### Take Control

Configure and control Q16pro Gen2 devices from the acclaimed RGBlink XPOSE apps for laptop/desktop and mobile devices.



### Dual network communication

Supports dual network communication: it has 1 local communication network port and 1 remote control port. In addition to remote control, the remote control port also has H.265 media remote control and monitoring functions.



### OSD Dynamic Titles

Customised text in almost any format can be overlaid on output displays. The facility supports static and dynamic arrangements including scrolling messaging.



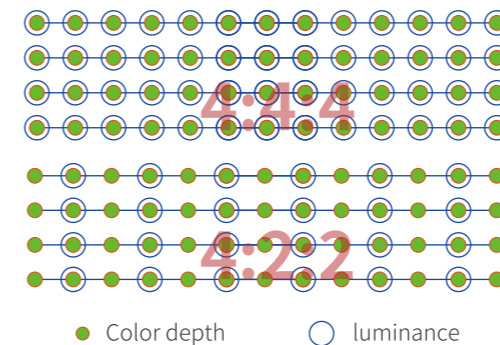
### 3D stitching

Scale and deliver 3D signals for 120Hz interpolated signals with internal frame-lock synchronization. Segmentation and fusion are completely seamless. Single key switching is available to transition between 2D and 3D on demand.



### Signal processing capability

The entire chassis input output and internal transmission are all 60 frames of RGB 4:4:4 signals. The signal supports 12bit processing, and the transmission rate of each channel can reach 5.9Gbps.



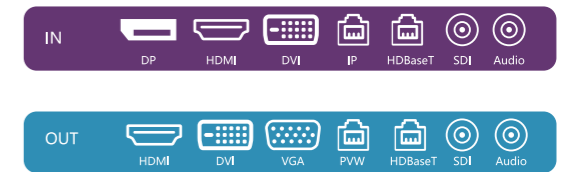
### High Performance Lossless 4K Processing

Q16pro Gen2 not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed RGBlink.



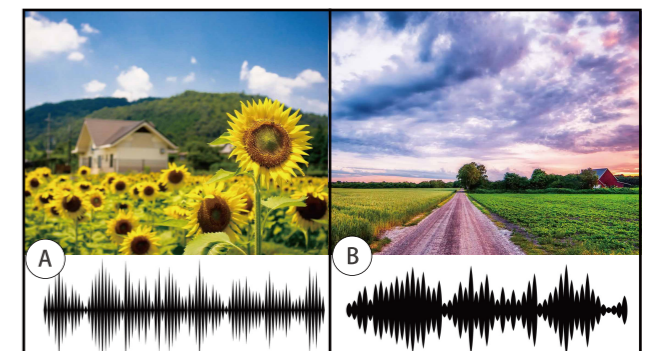
### Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.



### Configurable Audio Delivery

Both embedded and external/insert audio sources may be embedded to any output as well as be switched a part of video presets.



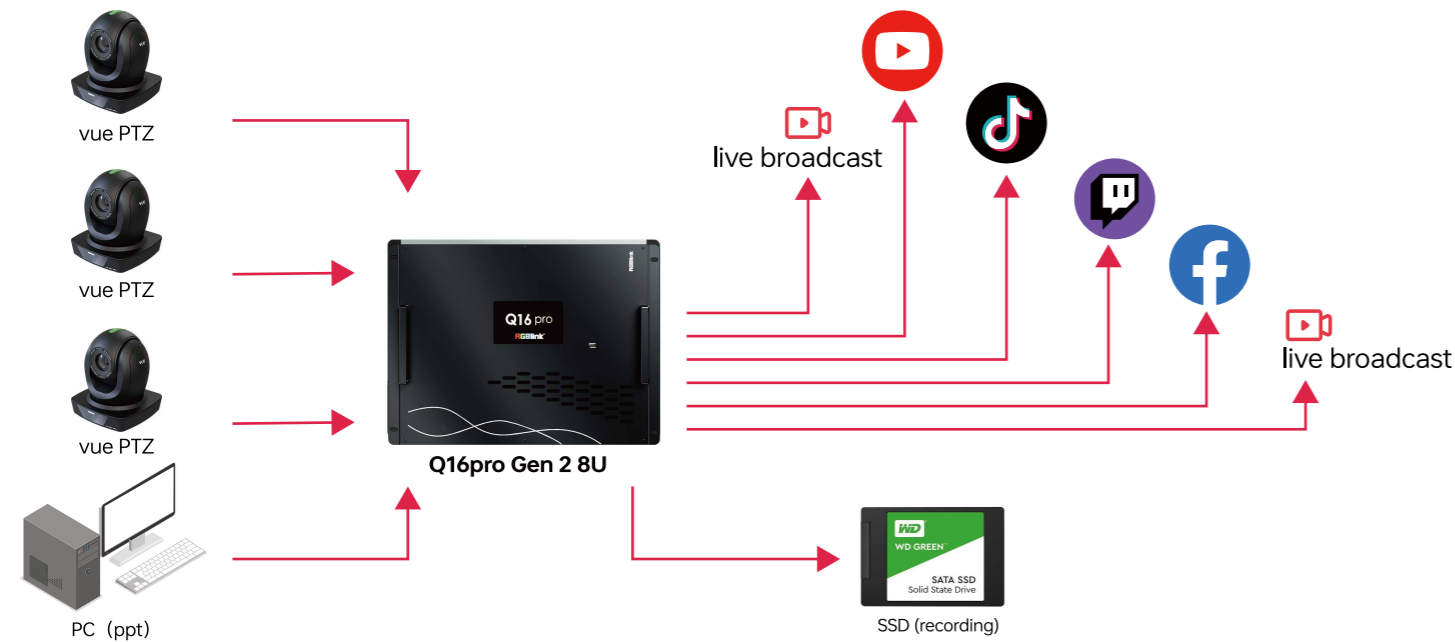
### Dante audio codec

Independent design, simplify the connection, easy to install. Supports 32-channel audio input and output, transmits high-quality audio with low latency. Dante audio management platform, easily de-embedded audio signals, and flexibly responds to a variety of audio devices.



### Multi-Platform Live Streaming Server (NDI)

Breaking through the traditional processor industry limitations, the new multi-platform live broadcast server to achieve full hardware distribution of live broadcasts, distributed hard disk recording and storage, to provide a more reliable live broadcast guarantee, to meet the needs of multi-platform live broadcasts, NDI non-destructive input and output, high quality and low latency, high-definition enjoyment, and live broadcasts are more stable.



### Combined with programme map

