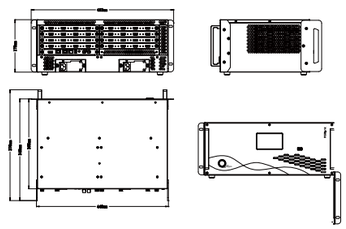
Model		Q16pro Gen2 2U		Q16pro Gen2 4U		Q16pro Gen2 8U		Q16pro Gen2 14U	
Specification		2U		4U		8U		14U	
Input Slots		3		4		10		20	
Output Slots		2		4		10		20	
Shared Slots		nonsupport		Output slot No.1~No.4		Output slot No.1~No.8		Output slot No.1~No.18	
Interface	Net Weight	5.83kg		7.54kg		13.72kg		20.0kg	
	Package Weight	9.25kg		11.47kg		18.42kg		25.0kg	
	Net Dimension	483.4×377×89mm		483.4×446×178mm		488×370×355.6mm		485×310×560mm	
	Package Dimension	630×585×250mm		645×525×295mm		585×460×520mm		665×525×495mm	
Physical	Input Connectors	Optional	DVI	4×DVI-I（Compatible HDMI/DVI/VGA/YPbPr/CVBS）	DP 1.2 | HDMI 2.0	2×DP | 2×HDMI-A			
			SDI (SD/HD/3G)	8×BNC（4 In | 4 Loop）	H.265	1×USB | 1×RJ45			
			HDMI 2.0	4×HDMI-A	HDBaseT	4×RJ45			
	Output Connectors	Optional	DP1.2	2×DP	H.265	1×USB | 1×RJ45			
			DVI	4×DVI-I（Compatible VGA）	HDMI 2.0	2×HDMI-A			
			HDMI 1.3	4×HDMI-A	SDI (SD/HD/3G)	4×BNC			
			DANTE	2×HDMI-A|1×RJ45|1×RJ45(backup)	AUDIO	4×3.5mm Audio			
			STREAMING	1×RJ45|1×USB3.0|1×Type C					
	Communication Connectors	Optional	LAN	1×RJ45	LAN	1×RJ45			
			PVW	1×HDMI-A	H.265	1×RJ45			
			Genlock	2×BNC (1 In | 1 Loop)	HDBaseT	4×RJ45			
Connectors	Input Resolutions	Select from below or configure customized							
		HDMI 1.3|DVI							
		SMPTE	720×480p@60 | 720×576p@50 | 1280×720p@23.98/24/25/29.97/30/50/59.94/60 | 1920x1080i@50/59.94/60 | 1920×1080p@24/25/29.97/30/50/59.94/60						
		VESA	1024×768p@60/75/85 | 1280×800p@60 | 1280×1024p@60/75/85 | 1360×768p@60 | 1366×768p@60 | 1440×900p@60 | 1400×1050p@60 | 1680×1050p@60 |1920×1080p@60 |1920×1200p@60 | 1536×960@60 | 1840×960@60 | 1920×1152@60 | 1872×1152@60 | Customized						
		HDMI 2.0 | DP 1.2							
		SMPTE	480i@60 | 720×480p@60 | 576i@50 | 720×576p@50 | 1280×720p@50/59.94/60 | 1920×1080p@23.98/24/25/29.97/30/50/59.94/60 | 3840×1080p@30/60 | 3840×2160p@25/30/50/60						
		VESA	640×480p@60/75/85 | 800×600p@60/75/85 | 1024×768p@60/75/85 | 1280×800p@60 | 1280×1024p@60/75/85 | 1360v768p@60 | 1366×768p@60 | 1440×900p@60 | 1400×1050p@60 | 1366×768p@60 | 1680×1050p@60 | 1920×1080p@60 | 1920×1200p@60 | 2048×1152p@60 | 2560×1440p@60 | 2560×1600p@60 | 3840×2160p@25/30/50/60 | Customized						
		3G SDI							
		SMPTE	480i@60 | 720×480p@60 | 576i@50 | 1280×720p@50/59.94/60 | 1920×1080i@50/59.94/60 | 1920×1080p@23.98/24/25/29.97/30/50/59.94/60						
		VESA	1920×1080p@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	1024×768p@60 | 1280×720p@50/59.94/60 | 1280×800p@60 | 1280×1024p@60| 1360×768p@60 | 1366×768p@60 | 1400×1050p@60 | 1440×900p@60 | 1600×1200p@60 | 1680×1050p@60 | 1920×1080p@23.98/24/25/29.97/30/50/59.94/60 | 1920×1200p@60 | 2560×816p@60 | 2048×1152p@60 | 2560×1440p@60 | 2560×1600p@60 | 3840×1080p@60 | 1920×1200p@60 | 1872×1152p@60 | 2048×1152p@60 |1536×1536p@60 | 2048×1080p@60 |2304×1080p@60 | 2560×960p@60 | 3840×640p@60 | 3840×1080p@30 | 640×3840p@30/50 | 512×3840p@50 | 1152×1536p@60 | Customized (VESA only)						
		HDMI 2.0 | DP 1.2							
		SMPTE/VESA	1024×768p@60 | 1280×720p@50/59.94/60 | 1280×800p@60 | 1280×1024p@60| 1360×768p@60 | 1400×1050p@60 | 1440×900p@60 | 1600×1200p@60 | 1680×1050p@60 | 1920×1080p@23.98/24/25/29.97/30/50/59.94/60 | 1920×1200p@60 | 2560×816p@60 | 2048×1152p@60 | 2560×1440p@60 | 2560×1600p@60 | 3840×1080p@60 | 3840×2160p@50/59.94/60 | 4096×2160p@25/50/59.94/60 | 1024x768@60 | 1280×720@50/59.94/60 | 1280×800@60 | 1280×1024@60 | 1360×768@60 | 1400×1050@60 |1440×900@60 | 1600×1200@60 | 1680×1050@60 | 1920×1080@23.98/24/25/29.97/30/50/59.94/60 | 1920×1200@60 | 2560×816@60 | 2048×1152@60 | 2560×1440@60 | 2560×1600@60 | 3840×1080@60 | 3840×2160@50/59.94/60 | 4096×2160@25/50/59.94/60 | Customized (VESA only)						
		3G SDI							
		SMPTE	1280×720p@50/59.94/60 | 1920×1080p@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	1.0	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
710-2016-02-1	Q16pro Gen2 2U (Communication Module with PVW Included)
710-2016-04-1	Q16pro Gen2 4U (Communication Module with PVW Included)
710-2016-08-1	Q16pro Gen2 8U (Communication Module with PVW Included)
790-1002-10-1	Q Series Quad HDMI 2.0 Input Module
790-1002-32-1	Q Series Single IP Input Module
790-1002-33-1	Q Series Dual HDMI 2.0 & Dual DP 1.2 Input Module
790-1002-34-1	Q Series Quad 3G SDI (LOOP) Input Module
790-1002-35-1	Q Series Quad DVI Input Module
790-1002-44-1	Q Series Dual HDMI 1.3 & Dual DVI Input Module
790-1002-46-1	Q Series Quad HDBaseT Input Module

Product Code	Item
790-1002-28-1	Q Series Quad Input & Quad Output Analog Audio Module
790-1002-36-1	Q Series Quad HDMI 1.3 Output Module
790-1002-38-1	Q Series Dual HDMI 2.0 Output Module
790-1002-40-1	Q Series Quad 3G SDI Output Module
790-1002-41-1	Q Series Quad DVI Output Module
790-1002-45-1	Q Series Streaming Output Module
790-1002-43-1	Q Series Dual HDMI 1.3 Output Module with Dante
790-1002-47-1	Q Series Quad HDBaseT Output Module
790-1002-50-0	Q Series 16-Layer Quad HDMI 1.3 Output Module
790-1002-51-0	Q Series 16-Layer Quad HDBaseT Output Module
790-1002-52-0	Q Series 16-Layer Quad DVI Output Module
790-1002-53-0	Q Series 16-Layer Quad 3G SDI Output Module
790-1002-37-1	Q Series Communication Module with PVW
950-0016-00-1	Q Series 300W Redundant Power Module (for 2U)
950-1004-01-1	Q Series 300W Redundant Power Module (for 4U)
950-0017-00-1	Q Series 550W Redundant Power Module (for 8U)

Dimensions



HDMI HDCP™

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

RGBlink®

www.rgblink.com

Q16pro Gen2

Mediahub & Multiple Canvas Video Wall Processor

RGBlink®

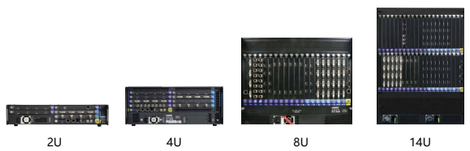
Q16pro Gen2 is a high-performance video image processing system and mixed signal MediaHub using pure hardware and leading-edge FPGA processing architecture. Offering a wide range of input and output signals based on module based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16pro Gen2 is an industry leading platform that can be deployed in varied applications including corporate and virtual production studio with multiple content management The Q16pro Gen2 models allow connection of 4K In & Out including IP signals such as NDI and Dante, with outputs offering hybrid display management and multi-layer capabilities. The integration demanding features are built in to Q16pro Gen2, including EDID management, 3D image processing, and two seperate configurable OSD in high-definition resolution.

Multi- Layer Multi-Window

Due to differences in the signal distribution capabilities, the HDMI, DVI, HDBaseT, and SDI output modules in 2U and 4U can achieve an 8+8 layer configuration. This means the latter 8 layers are replicated from the first 8 layers, though their size and position can be different. The 8U supports processing and outputting 16 completely independent signal sources, enabling true 16-layer overlay, roaming, and control.

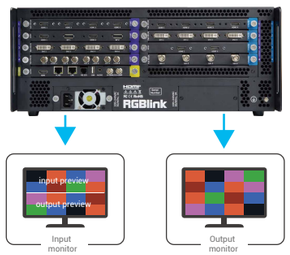
Frame Sizes for Every Scale

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 .



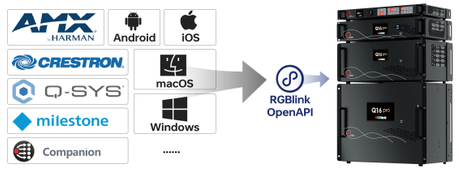
Input and output preview

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.



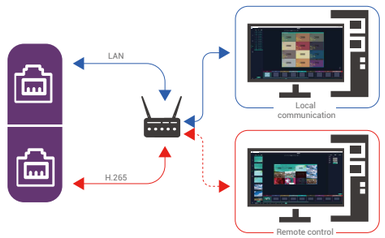
Take Control

Configure and control Q16pro Gen2 devices from the acclaimed RGBlink XPOSE apps for cross platform desktop and moblile also 3rd party central central control system.



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

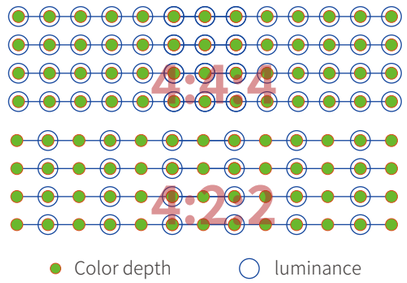
Customised text in almost any format can be overlayed on output displays. The facility supports static and dynamic arrangements including scrolling messaging.

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

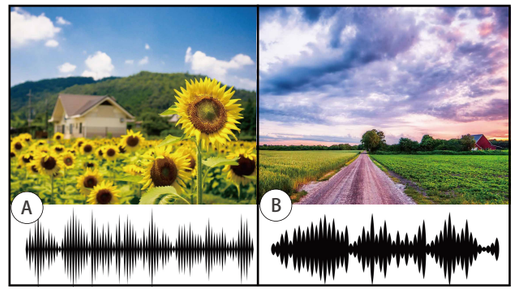
Q16pro Gen2 not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed by RGBlink.

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 in incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.

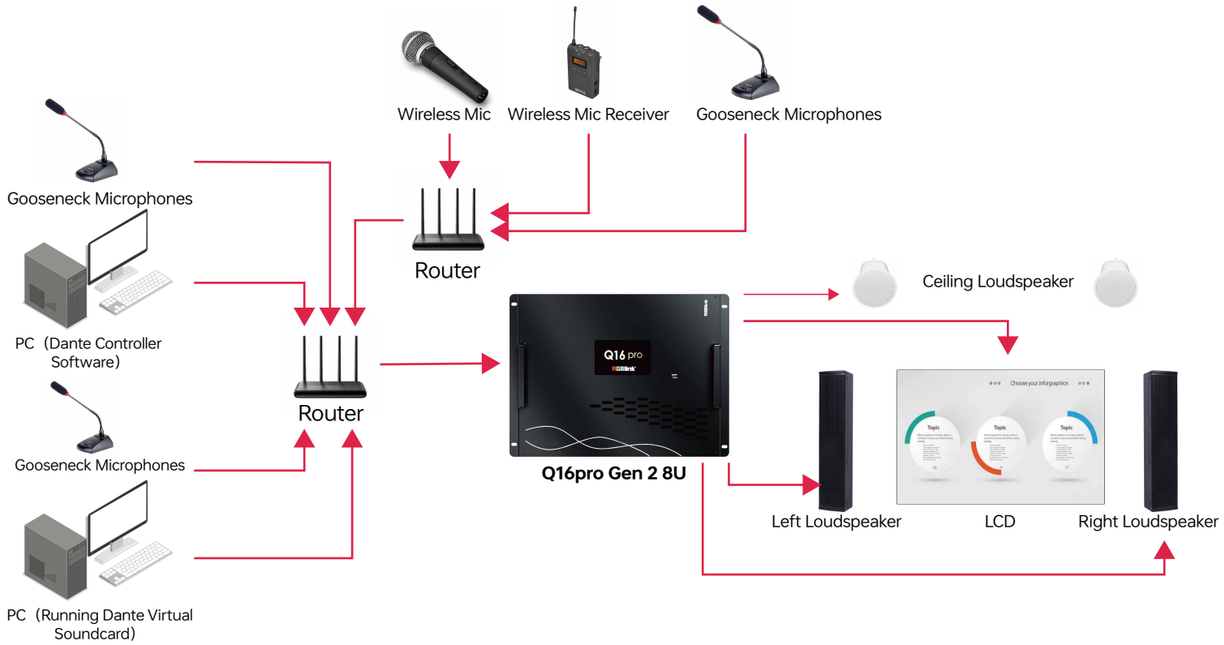
Configurable Audio Delivery

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



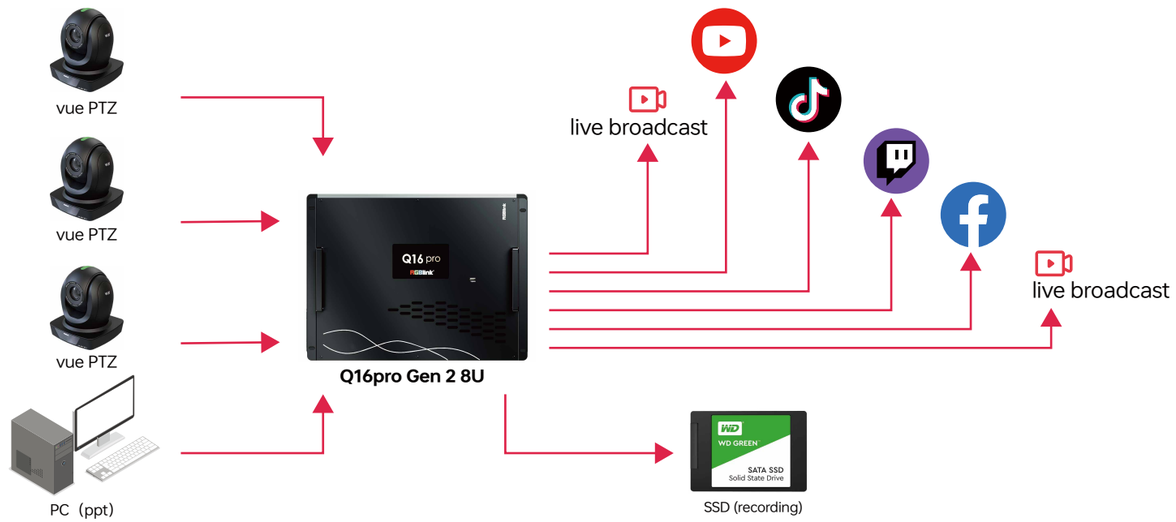
Dante audio codec

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