

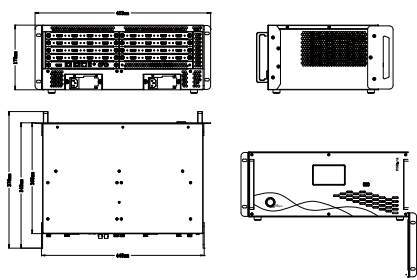
Model		Q16pro Gen2 2U		Q16pro Gen2 4U		Q16pro Gen2 8U		Q16pro Gen2 14U			
Specification		2U		4U		8U		14U			
Input Slots		3		4		10		20			
Output Slots		2		4		10		20			
Shared Slots		nonsupport		Output slot No.1~No.4		Output slot No.1~No.8		Output slot No.1~No.18			
Interface	Net Weight	6.0kg		8.5kg		15.0kg		20.0kg			
	Package Weight	9.7kg		12kg		20.0kg		25.0kg			
	Net Dimension	483.4x377x89mm		483.4x446x178mm		488x370x355.6mm		485x310x560mm			
	Package Dimension	630x585x250mm		630x585x250mm		665x525x495mm		665x525x495mm			
Physical	Input Connectors	Optional	DVI	4xDVI-I (Compatible HDMI/DVI/VGA/YPbPr/CVBS)		DP 1.2 HDMI 2.0		2xDP 2xHDMI-A			
			SDI (SD/HD/3G)	8xBNC (4 In 4 Loop)		H.265		1xUSB 1xRJ45			
			HDMI 2.0	4xHDMI-A		HDBaseT		4xRJ45			
	Output Connectors	Optional	DP1.2	2xDP		H.265		1xUSB 1xRJ45			
			DVI	4xDVI-I (Compatible VGA)		HDMI 2.0		2xHDMI-A			
			HDMI 1.3	4xHDMI-A		SDI (SD/HD/3G)		4xBNC			
			DANTE	2xHDMI-A 1xRJ45 1xRJ45(backup)		AUDIO		4x3.5mm Audio			
			STREAMING	1xRJ45 1xUSB3.0 1xType C							
			Communication Connectors	Optional	LAN	1xRJ45		LAN		1xRJ45	
	PVW	1xHDMI-A			H.265		1xRJ45				
Genlock	2xBNC (1 In 1 Loop)		HDBaseT		4xRJ45						
Connectors	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 1920x1080i@50/59.94/60 1920x1080p@24/25/29.97/30/50/59.94/60								
		VESA	1024x768p@60/75/85 1280x800p@60 1280x1024p@60/75/85 1360x768p@60 1366x768p@60 1440x900p@60 1400x1050p@60 1680x1050p@60 1920x1080p@60 1920x1200p@60 1536x960@60 1840x960@60 1920x1152@60 1872x1152@60 Customized								
		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								
		VESA	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 1680x1050p@60 1920x1080p@60 1920x1200p@60 2048x1152p@60 2560x1440p@60 2560x1600p@60 3840x2160p@25/30/50/60 Customized								
		3G SDI									
		SMPTE	480i@60 720x480p@60 576i@50 1280x720p@50/59.94/60 1920x1080i@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 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 1536x960p@60 1840x960p@60 1920x1152p@60 1920x1200p@60 1872x1152p@60 2048x1152p@60 1536x1536p@60 2048x1080p@60 2304x1080p@60 2560x960p@60 3840x640p@60 3840x1080p@30 640x3840p@30/50 512x3840p@50 1152x1536p@60 Customized (VESA only)								
		HDMI 2.0 DP 1.2									
		SMPTE/VESA	1024x768p@60 1280x720p@50/59.94/60 1280x800p@60 1280x1024p@60 1360x768p@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@50/59.94/60 4096x2160p@25/50/59.94/60 1024x768@60 1280x720@50/59.94/60 1280x800@60 1280x1024@60 1360x768@60 1400x1050@60 1440x900@60 1600x1200@60 1680x1050@60 1920x1080@23.98/24/25/29.97/30/50/59.94/60 1920x1200@60 2560x816@60 2048x1152@60 2560x1440@60 2560x1600@60 3840x1080@60 3840x2160@50/59.94/60 4096x2160@25/50/59.94/60 Customized (VESA only)								
		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	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								
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
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)
790-1002-37-1	Q Series Communication Module with PVW

Dimensions



HDMI HDCP™

Proudly designed and manufactured in Xiamen Hi Technology Zone, China
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www.rgblink.com

Q16pro Gen2

Mediahub & Multiple Canvas Video Wall Processor



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.

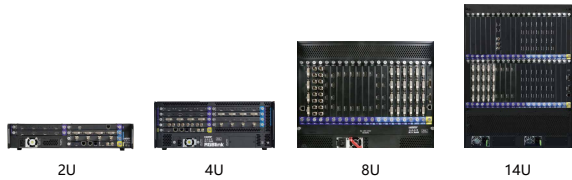
Multi- Layer Multi-Window

Q16 pro offers up to 8~16×2K windows or 4×4K 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



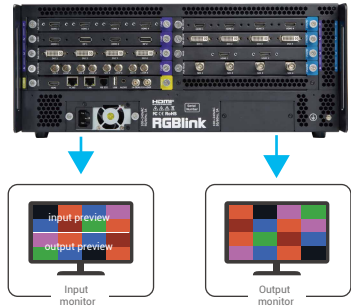
Frame Sizes for Every Scale

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 .



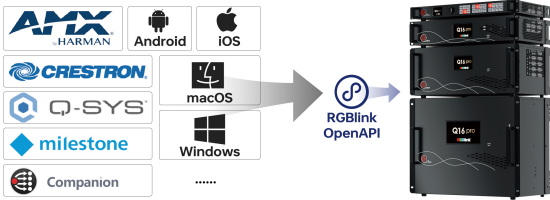
Input and output preview

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.



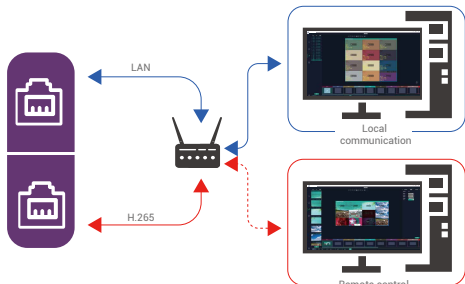
Take Control

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



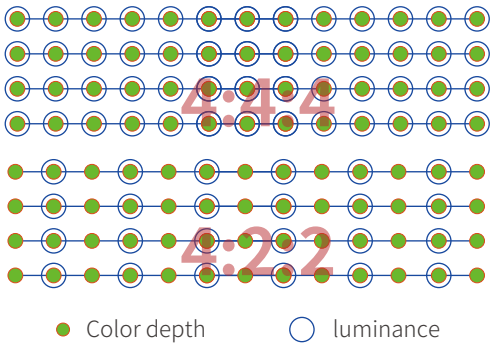
3D stitching

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.



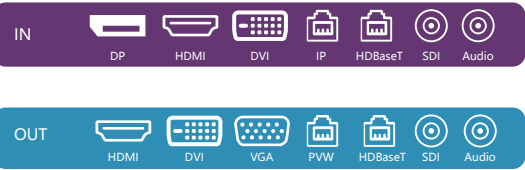
High Performance Lossless 4K Processing

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.



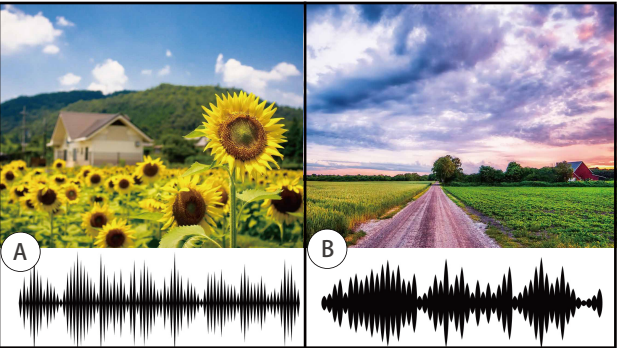
Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without 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.



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.



The diagram illustrates the system architecture for the Q16pro Gen 2 8U. On the left, three 'vue PTZ' cameras and a 'PC (ppt)' are shown with red arrows pointing to the front panel of the 'Q16pro Gen 2 8U' device. The device has a central display showing 'Q16 pro' and 'redlink'. From the right side of the device, red arrows point to various outputs: 'live broadcast' (YouTube icon), 'live broadcast' (TikTok icon), 'live broadcast' (Twitch icon), 'live broadcast' (Facebook icon), and 'live broadcast' (YouTube icon). Additionally, a red arrow points from the bottom of the device to a 'SSD (recording)' unit, which is a 'WD GREEN' SATA SSD.