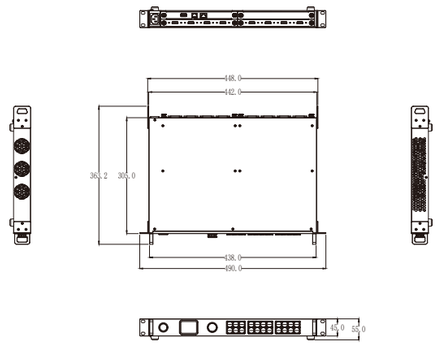
Specification

Connectors	Input	2 slots, up to 8 inputs		
		Standard with	HDMI 2.0	4×HDMI-A
		Optional	SDI (SD/HD/3G)	8×BNC(4 In | 4 Loop)
			DVI	4×DVI-I
			DP 1.2 | HDMI 2.0	2×DP | 2 × HDMI-A
			IP	1×RJ45
	Output	Standard with	HDMI 1.3	4×HDMI-A
		Optional	DP 1.2	2×DP
			DVI	4×DVI-I
			HDMI 2.0	2×HDMI-A
Performance	Communication		LAN	1×RJ45
			RS 232	1×RJ11
			USB	1×USB-A
	Power			1×IEC
	Input Resolutions	**SDI**		
		SMPTE	1280x720p@50/60 | 1920×1080i@50/59.94/60 |1920x1080p@23.98/24/25/29.97/30/50/59.94/60	
		DVI | HDMI 1.3		
		SMPTE/VESA	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	
		DP 1.2 | HDMI 2.0		
		SMPTE	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	
		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 | 1600x1200p@60 | 1680x1050p@60 | 1920x1080p@60 | 1920x1200p@60 | 2048x1152p@60 |3840x2160p@25/30/50/60	
	Output Resolutions	Select from below or configure customized		
		DVI | HDMI 1.3		
		SMPTE/VESA	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	
		DP 1.2 | HDMI 2.0		
		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 | 2560x1440p@60 | 2560x1600p@60 | 3840x1080p@60 | 3840x2160p@25/29.97/30/50/59.94/60 | Custom	
	Supported Standards	SDI	SD/HD/3G	
		HDMI	2.0	
		DisplayPort	1.2	
		DVI	Dual Link	
Power	Input Voltage	AC 100-240V, 50/60Hz		
	Max Power	65W		
Environment	Temperature	-5°C~45°C		
	Humidity	10%~85%		
Physical	Dimension	Net	490mm x 363.2mm x 55mm	
		Packaged	530mm x 440mm x 120mm	
	Weight	Net	4.8kg	
		Packaged	6.5kg	

Order Codes

Product Code	Item
710-1002-10-1	Q16pro Gen2 1U 4K Standard A: 1 x Host (Communication Module Included) 1 x Quad HDMI 2.0 Input Module 1 x Quad HDMI 1.3 Output Module
710-1002-10-2	Q16pro Gen2 1U 4K Standard B: 1 x Host (Communication Module Included) 2 x Quad HDMI 2.0 Input Module 1 x Quad HDMI 1.3 Output Module
710-2016-01-0	Q16pro Gen2 1U: 1 x Host (Communication Module Included)
791-2002-01-1	Q16pro Gen2 1U Quad HDMI 2.0 Input Module
791-2002-03-1	Q16pro Gen2 1U Quad DVI Intput Module
791-2002-04-1	Q16pro Gen2 1U Dual HDMI 1.3 & Dual DVI Input Module
791-2002-05-1	Q16pro Gen2 1U Single IP Input Module
791-2002-06-1	Q16pro Gen2 1U Dual HDMI 2.0 & Dual DP 1.2 Input Module
791-2002-07-1	Q16pro Gen2 1U Quad 3G SDI (LOOP) Input Module
791-2002-08-1	Q16pro Gen2 1U Quad HDBaseT Input Module
791-2002-31-1	Q16pro Gen2 1U Quad HDMI 1.3 Output Module
791-2002-32-1	Q16pro Gen2 1U Quad DVI Output Module
791-2002-33-1	Q16pro Gen2 1U Quad 3G SDI Output Module
791-2002-34-1	Q16pro Gen2 1U Quad HDBaseT Output Module
791-2002-35-1	Q16pro Gen2 1U Dual HDMI 2.0 Output Module

Dimensions



HDMI® HDCP™

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*Proudly designed and manufactured in **Xiamen** Hi Technology Zone, China*

RGBlink®

www.rgblink.com

Q16pro

4K Multi-Layer Videowall Processor



RGBlink®

Q16pro Gen2 1U edition supports up to 8 inputs, including HDMI 1.3, SD/HD/3G SDI, 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 patry APP / controller by open API.

Q16pro Gen2 1U combine 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 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.



Multi- Layer Multi-Window

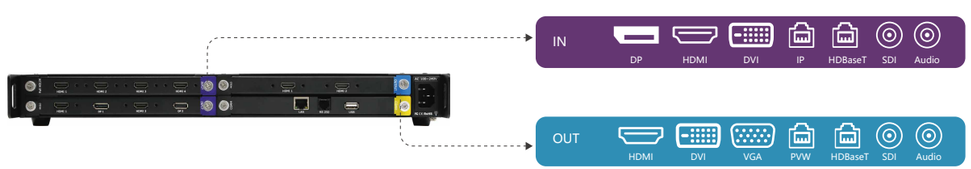
Q16pro offers up to 8 2K windows or two 4K windows per output slot. Layer resources able to be freely used across any of the outputs within a slot for maximum availability and efficiency, including combinations of both 2K and 4K layer windows. Q16pro layering allows multi-window applications for large scale and spanning multiple display outputs.



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.



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.



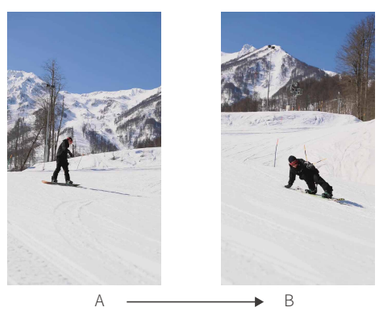
Multi-screen Split Display

According to different application requirements, multiple screens can be displayed on the display screen, and the size of each screen can be adjusted arbitrarily, which can realize the effect of multi-person conferences on the screen at the same time.



Seamless Switching

Switching between single signal sources and switching between scenes can achieve seamless switching effects with smooth transitions.



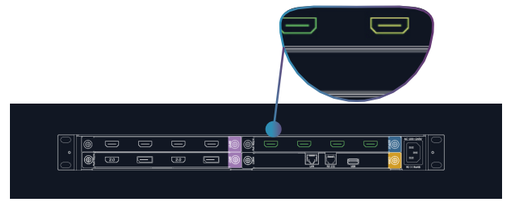
High Performance Lossless 4K Processing

Q16pro 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.



Fast Fault Location

Support the software monitoring function, which can realize the connection status of the device through the software, and can identify whether the device connection is normal and the location of the fault point through different colors.



Video Wall Splicing

Q16pro supports LCD video wall, LED large screen splicing, large screen display application, and can also superimpose multiple screens on the spliced screen, and arrange it arbitrarily on the video wall.

