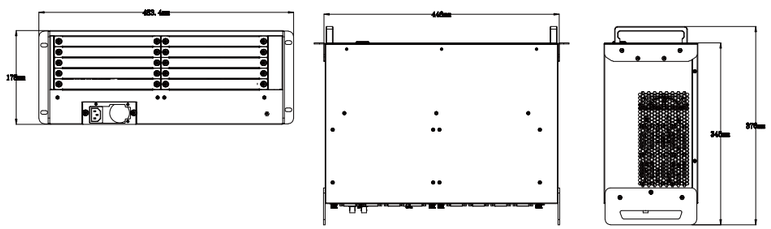
Specification

Model		Q16pro-4U (-e edition)			
Specification		4U			
Input Slots		4			
Output Slots		5			
PVW Slot		1			
Communication Slot		1			
Physical	Net Weight	9kg			
	Packaged Weight	13kg			
	Net Dimension	483.4mm x 376mm x 178mm			
	Packaged Dimension	630mm x 585mm x 295mm			
Connectors	Input	Optional		DP 1.2 | HDMI 2.0	2×DP | 2×HDMI-A
				HDMI 1.3	4×HDMI-A
				SDI (SD/HD/3G)	8×BNC (4 IN | 4 LOOP)
				IP	1×RJ45
	Output	Optional		HDMI 2.0	2×HDMI-A
				HDMI 1.3	4×HDMI-A
				SDI (SD/HD/3G)	4×BNC
	Communication	Standardwith		LAN	1xRJ45
				RS232	1xRJ11
		Optional		PVW	1xHDMI-A
				H.265	1xRJ45
				LAN	1xRJ45
				RS232	1xRJ11
				GENLOCK	2xBNC (1 IN | 1 LOOP)
	PVW	Optional		HDMI	2×HDMI-A
				Dante	1×RJ45
				Dante Backup	1×RJ45
Performance	Input Resolutions	Automatic recognition			
		DP 1.2 | HDMI 2.0			
		SMPTE	720p@50/60 | 1080p@25/30/50/60 | 2160p@30		
		VESA	800×600@60 | 1024×768@60 | 1280×720@25/30/50/60 | 1280×800@60 | 1280×1024@60 | 1360×768@60 | 1440×900@60 |		
			1680×1050@60 | 1920×1080@25/30/50/59.94/60 | 3840×2160@30/60		
		HDMI 1.3			
		SMPTE	720p@50/60 | 1080p@25/30/50/60		
		VESA	800×600@60 | 1024×768@60 | 1280×720@25/30/50/60 | 1280×800@60 | 1280×1024@60 | 1360×768@60 | 1440×900@60 |		
			1680×1050@60 | 1920×1080@25/30/50/59.94/60		
		SDI (SD/HD/3G)			
		SMPTE	720p@50/60 | 1080p@23.98/29.97/25/30/50/59.94/60 | 1080i@50/59.94/60		
	Output Resolutions	Select from below or configure customized			
		HDMI 2.0			
		SMPTE	720p@50/60 | 1080p@25/30/50/60		
		VESA	1024×768@60 | 1280×1024@60 | 1920×1080@25/30/50/59.94/60 | 3840×2160@30/60		
		HDMI 1.3			
		SMPTE	720p@50/60 | 1080p@25/30/50/60		
		VESA	1024×768@60 | 1280×1024@60 | 1920×1080@25/30/50/59.94/60		
		SDI (SD/HD/3G)			
		SMPTE	720p@50/60 | 1080p@23.98/29.97/25/30/50/59.94/60 | 1080i@50/59.94/60		
	Supported Standards	SDI	SD/HD/3G	H.264	H.265
		HDMI	2.0		
Power	Input Voltage	AC 100V-240V, 50/60Hz			
Operation Environment	Temperature	-5℃~45℃			
	Humidity	15%~85%			
Storage Environment	Temperature	-10℃~70℃			
	Humidity	0%~95%			

Order Codes

Product Code	Item
710-1016-02-0	Q16pro-4U (-e edition)

Dimensions



HDMI HDCP

Proudly designed and manufactured in Xiamen Hi Technology Zone, China

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Q16pro-4U

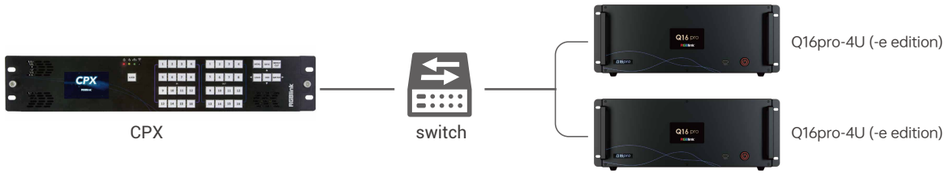
Broadcast quality Hybrid Multiviewer Switcher



Q16pro-4U (-e edition) is a high-performance video image processing system with pure hardware FPGA processing architecture. The whole machine adopts modular configuration, plug-in card structure, can be flexibly configured according to user needs, input and output cards to meet the needs of a variety of video applications on site. Support input and output card hot-swapping, dual power supply hot backup, stable performance, is a set of multiple mixed-signal access, arbitrary distribution, seamless switching, multi-screen processing and other functions in one broadcast-grade multifunctional video conferencing and control all-in-one machine, can be widely used in government agencies, enterprises, public institutions, the military and other organizations of the major meetings, command and control, exhibitions and other fields.

CPX External Panel Control

Q16pro-4U (-e edition) supports network port or serial port to connect to CPX control panel to complete matrix switching, synchronization switching, scene switching, subtitle calling and other full range of operations.CPX supports simultaneous mirroring control of multiple Q16pro-4U (-e edition) and can be customized according to the actual application scenarios of the key functioris for programming.



Multi-Layer Multi-window Support

Q16pro-4U (-e edition) offers up to 8 pcs 2K window processing or 4 pcs 4K windows per output channel. Layers can be freely positioned and roam across outputs without consuming additional layer resources, enabling richer multi-window visual effects.



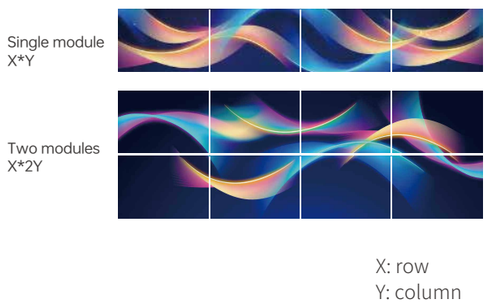
4-inch touch panel control

Comes with a 4-inch touch panel that displays real-time device information status and menu parameter settings. Through the LCD screen to view the input and output board working status, equipment fan speed, program version and other comprehensive information. And can realize the equipment temperature monitoring, over-temperature alarm function to protect the stable work of the equipment.



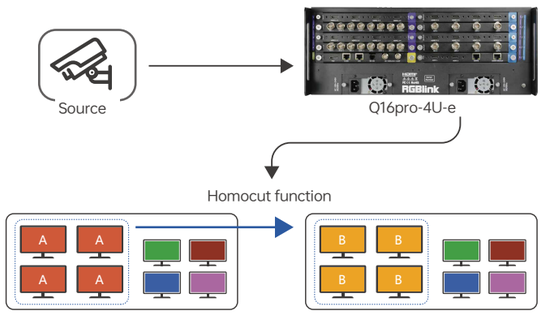
Cross-module Splicing

Single module: Horizontally splits into 1×2 or 1×4 layouts.
Dual module: Supports layouts like 2×2, 2×4. Horizontally combine two modules into a row (each containing 2/4 sections). Vertically stacks 2 rows to create a 4/8-section display screen.



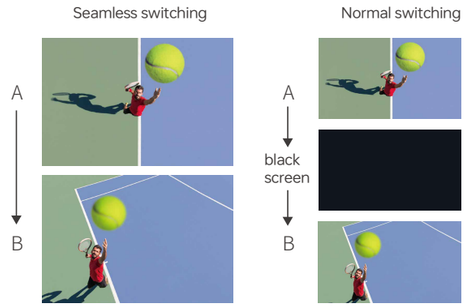
Homocut function

Supports grouping of selected multiple output ports, realizing synchronous switching of the same input signal to multiple outputports with one key.



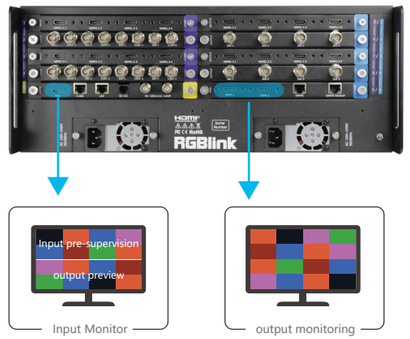
Seamless switching

Matrix input and output or scene switching in any mode can be seamlessly switched.



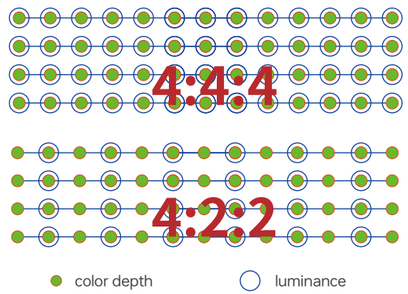
I/O pre-supervision

With 2 HD multi-screen monitor output interface, can simultaneously monitor 16 input sources or 16 output video signals. One of the 16 input source pre-monitoring support 4/9/16 screen split.



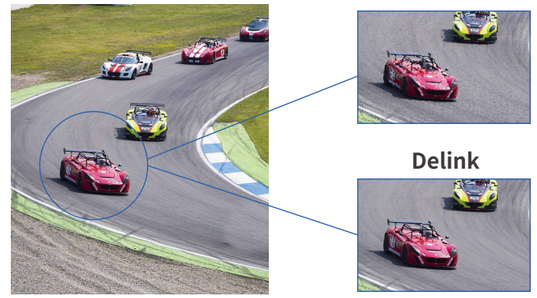
4:4:4 picture quality

HDMI 1.3 input and output support 4:4:4 signal acquisition, processing and output, 12bit color depth, to achieve high-definition image display.SDI input and output support 4:2:2 signal acquisition, processing and output, 10bit color depth.



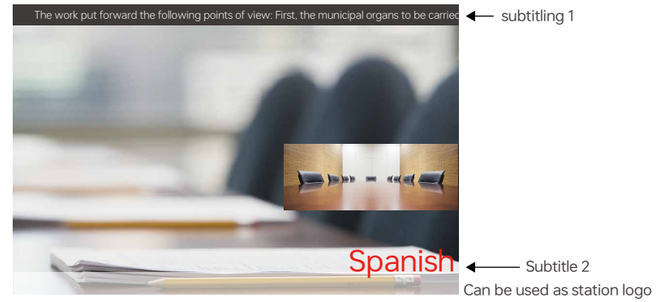
SDI Deinterlacing

Motion-adaptive de-interlacing processing technology and picture quality enhancement and noise reduction processing solves the jaggedness problem of I to P conversion and realizes picture quality enhancement.



Subtitle display

Q16pro-4U (-e edition) supports scrolling subtitle, static subtitle and station label display. The position, font size, color, background color, and scrolling speed of the top scrolling subtitles can be adjusted at will. The customizable text display and shortcut settings with HD output images allow for more flexible on-site applications.



Dante Audio Monitoring

Dante audio technology integrates media and control on your entire system onto a standard network and enables 16-way, 32-channel volume monitoring in real time. Eliminate bulky and expensive analog cabling and replace it with inexpensive and very common CAT5e, CAT6 wiring for a simple, lightweight and cost-effective solution.



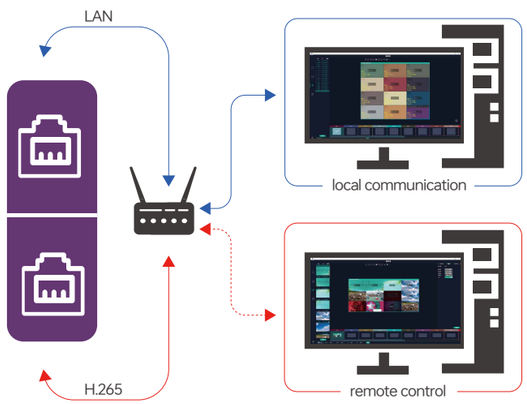
Scene Saving and Recalling

Calls to preset scenes can be made via iMCUS, CPX control panel, LCD control panel and API. Supports up to 256 scene presets, storage and recall.



dual-network interface communication

Stand-alone support for dual-port communication: 1 local communication port, 1 remote control port. In addition to remote control, the remote control port also has the function of H.265 streaming media remote control and monitoring.



Logo Display

Support LOGO overlay function to meet the needs of all kinds of meeting customized logo display.



Multi-Security

Q16pro-4U (-e edition) is designed for high-reliability and high-security application scenarios, with redundant dual power supply design to ensure power supply security; input and output boards support hot backup and hot-swap to quickly resolve board-level failures; and can be configured with machine-level hot backup, with automatic switching between main and backup machines to ensure continuous business operation.

